TCET

DEPARTMENT OF INFORMATION TECHNOLOGY (IT)

(Accredited by NBA for 3 years, 4th Cycle Accreditation w.e.f. 1st July 2022)

Choice Based Credit Grading System (CBCGS)

Under TCET Autonomy

Name Web Programming | DEPT :- Information Technology

Year(S TE | Subject PCC-IT 503

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QUESTION BANK

Sr No.	Questions	CO	RBT	Marks	Type	PI
1	Describe the role of the <canvas> element in HTML5. Provide an example where it might be used.	CO1	U	2	T	1.7.1
2	Differentiate between the <audio> and <video> tags in HTML5. Also provide their syntax	CO1	U	2	T	1.7.1
3	Describe the role of forms in HTML. Mention two input elements commonly used in forms.	CO1	R	2	T	3.1.1
4	Explain the purpose of semantic elements in HTML5. Provide two examples.	CO1	U	2	T	1.1.1
5	List down HTML Attributes for image tag with example	CO1	U	2	T	3.5.1
6	Write the HTML code to create an unordered list of your top 3 favorite programming languages.	CO1	A	2	N	2.5.2
7	Differentiate between the and tags in HTML. Provide an example of each.	CO1	AN	5	T	3.6.1
8	Explain the advantages of using HTML5 semantic elements over traditional non-semantic elements. Provide examples to illustrate how semantic elements improve accessibility and SEO.	CO1	U	5	T	3.6.3
9	Design an HTML form with fields for name, email, and a text area for comments. Include validation for the email field to ensure it is in the correct format.	CO1	C	5	N	1.3.1
10	Explain the Geolocation API in HTML5 and how it provides location-based information.	CO1	R	5	T	1.3.1
11	Describe how the dragstart, dragover, and drop events in DRAG& DROP API	CO1	C	5	N	1.3.1
12	Write code to generate below output using SVG Consider SVG height & width to be 100 px. Consider the x,y coorordinate of circle to be 50 respectively and radius : 20	CO1	A	5	N	1.3.1
13	Draw a red rectangle on the canvas, from position (0,0) with a width of 150 and a height of 75:	CO1	R	5	N	1.1.1
14	Create an SVG (Scalable Vector Graphics) element that draws a simple representation of a house. The house should include a rectangular base for the building, a triangular roof, and at least one rectangular window.	CO1	C	10	N	2.1.3
15	Design and implement an HTML form for user registration with fields for username, password, email, and phone number. Include client-side validation using HTML5 attributes. Describe how each validation attribute improves user input and form reliability.	CO1	C	10	N	2.6.3
16	Discuss the impact of HTML5's Geolocation API on web applications. Provide a code example that requests the user's location and displays it on the webpage.	CO1	A	10	N	2.5.3
17	Explain the process of embedding multimedia content in HTML5. Provide examples of embedding both a video and an audio file, and describe how to handle different formats and browser compatibility.	CO1	R	10	N	2.1.3
18	Describe the purpose and usage of the "meta" tag in HTML. How does it impact the web page?	CO1	R	10	T	1.1.1
19	Create a complete HTML5 webpage that includes a header, navigation bar, main content area with two sections, and a footer. Use semantic elements and ensure the page is responsive. Explain how each part contributes to the structure and functionality of the page.	CO1	C	10	N	1.1.1
20	Build a personal portfolio using HTML and CSS to showcase your skills and projects.	CO1	R	10	N	1.1.1
21	Discuss what does CSS stand for?	CO2	R	2	T	1.1.1
22	Write a CSS rule to change the background color of a paragraph to blue	CO2	A	2	N	1.1.1
23	What is the purpose of the transform property in CSS?	CO2	U	2	T	1.1.1
24	Discuss is Bootstrap and Discuss is its primary purpose? Name the two main components of Bootstrap's grid system.	CO2	U	2	T	1.3.1
25	Describe the difference between "em" and "rem" units in CSS.	CO2	U	2	T	1.3.1
26	In how many ways can we add CSS to our HTML file?	CO2	R	2	T	1.1.1
27	Discuss in detail about Font and Text styles in CSS?	CO2	R	2	T	1.1.1
28	Explain the box model and how margins, borders, padding, and content interact.	CO2	U	5	T	1.3.1
29	Critique the advantages and disadvantages of using inline styles versus external stylesheets	CO2	E	5	T	1.3.1
30	"Describe how you can change the color of hyperlinks in different states (normal, hover, active, and visited) using CSS. Provide an example of CSS code that demonstrates this."	CO2	U	5	T	1.3.1
31	How would you change the font color of a hyperlink when a user hovers over it TO RED COLOR	CO2	A	5	N	2.1.3
32	Specify how hidden, overflowed content should be signaled to the user and how it can be display the content when hover over the element.	CO2	U	5	N	2.1.3
33	Compare and contrast relative and absolute positioning in CSS.	CO2	U	5	T	2.1.3
34	Describe the difference between Bootstrap's container, container-fluid, and container-{breakpoint} classes. Provide examples of when each should be used.	CO2	U	5	T	2.1.3
35	Design a CSS layout for a two-column webpage with a header, navigation bar, content area, and footer FOR GROCERY SHOPPING	CO2	C	10	N	1.3.1
36	Design a Portfolio Page: A portfolio page is a creative way to present your resume. Design a professional and attractive page using semantic HTML5 elements. Include following Key Features: Header section with name and personal information,Photo, links, videos, or images of your works,Section for areas of interest and Footer with social media handles	CO2	C	10	N	1.3.1
37	Develop a CSS rule to center an image horizontally within its container	CO2	C	10	T	1.3.1
38	Develop a CSS animation for a button that includes a smooth transition for hover effects, such as changing color, scaling, and adding a shadow. Provide the CSS code for the animation and explain the keyframes and transition properties used.	CO2	C	10	N	1.3.1
39	Design a webpage layout that combines fixed, fluid, and responsive elements using advanced positioning techniques in CSS.	CO2	A	10	N	2.1.3
40	Implement a table style using CSS to alternate the background colors of even and odd rows in terms of BLACK (ODD) & RED (EVEN)	CO2	E	10	N	1.3.1
41	Design College Information Site: Describes activities happening on campus, including academic and cultural events. This could also feature a special page for alumni. Include following Key Elements: Headings, paragraphs, line breaks, bold, italics , Navigation tags and Hyperlinks	CO2	A	10	N	2.1.3
42	List 5 features of JavaScript.	CO3	U	2	N	1.1.1
43	How does JavaScript function differently on the client side versus the server side? Discuss the roles and use cases for each.	CO3	U	2	T	1.1.1
44	Justify "JavaScript" is an event-driven programming"	CO3	R	2	T	1.1.1
45	What is React?	CO3	U	2	T	2.1.3
46	What are the major features of React?	CO3	U	2	T	2.1.3
47	What Do you mean by events and event handlers in JavaScript?	CO3	R	2	T	1.1.1
48	What is the use of pop up boxes in java script?	CO3	R	2	T	1.1.1
49	Where is JavaScript written? Write an example demonstrating the "welcome" message in JavaScript	CO3	U	5	T	2.1.3
50	Create a registration form using HTML5 and validate the form using JavaScript.	CO3	A	5	T	2.1.3
51	How to loop an array in JavaScript? Give example	CO3	E	5	T	1.3.1
52	Discuss what are functions in JavaScript?	CO3	A	5	T	2.1.3
53	Design a BMI calculator using Javascript	CO3	U	5	N	2.1.3
54	Discuss in detail about How to create components in React?	CO3	U	5	N	2.1.3
55	Which decision-making statements are used in JavaScript?	CO3	A	5	T	2.1.3
56	Write JavaScript code that validates a username and password against user name "Siddhi" and password "abc"	CO3	C	10	N	1.3.1
57	List out Difference between Element and Component in React JS	CO3	C	10	N	1.3.1
58	Explain briefly about Built in Java script Objects?	CO3	C	10	N	1.3.1
59	Write a JavaScript program to find greatest of three given numbers?	CO3	C	10	N	1.3.1
60	Explain in detail about the difference between HTML and React event handling? with suitable example	CO3	A	10	N	2.1.3
61	Expalin in detailabout Function in JavaScript? Write a program using functions with arguments?	CO3	E	10	N	1.3.1
62	Write a JavaScript code to change a background color using buttons.	CO3	A	10	N	1.3.1
63	How do you declare and assign values to variables in PHP? What are the rules for variable declaration?	CO4	AN	2	T	2.6.4
64	Name some superglobal variables in PHP.	CO4	R	2	T	1.6.1
65	What is a Regular Expression? Provide use of Regular Expression.	CO4	A	2	T	1.6.1
66	What are constants in PHP? How are they declared and used in code?	CO4	R	2	T	1.6.1
67	How does an if-else statement work in PHP?	CO4	AN	2	T	2.7.1
68	List common applications of PHP.	CO4	R	2	T	1.7.1
69	Differentiate between echo and print in PHP.	CO4	A	2	T	1.6.1
70	Write a PHP function to add two numbers. Explain the code and discuss how functions like this are utilized in real-world applications..	CO4	U	5	T	1.7.1
71	Mention and elaborate on some widely used PHP coding standards or guidelines. Why are these important in development?	CO4	AN	5	N	3.6.1
72	Describe the basic syntax of PHP and demonstrate it by writing a code snippet to display "Hello World."	CO4	U	5	N	1.6.1
73	Provide examples of how magic constants like __LINE__ and __FILE__ are used in PHP. Explain their significance.	CO4	R	5	T	1.7.1
74	What is a function in PHP? Discuss their importance and explain the different types of functions with examples.	CO4	AN	5	T	3.6.2
75	Explain the different data types in PHP with examples.	CO4	U	5	T	1.6.1
76	Discuss the features of PHP in detail, highlighting its strengths and use cases.	CO4	A	5	T	3.6.2
77	Explain the GET method in PHP. Design a program to create a simple login form using GET() method in PHP.	CO4	A	10	N	3.6.2
78	Create a simple form to accept name, address, gender, and Country fields from user, store it into the My SQL database using PHP program.	CO4	A	10	N	3.6.2
79	Create Department Table (DeptId, DeptName, DeptLocation, DeptSize) as follows and insert 3 records into it and Display Department table data in tabular format on webpage using PHP and MySQL.	CO4	A	10	N	3.6.2
80	Discuss the POST method in PHP. Design and implement a PHP program to create a simple login form using the POST method, and explain how data is handled and processed.	CO4	A	10	N	3.6.2
81	Elaborate magic constants in PHP with example, and why are they called "magic"? Is there any magic constant, that's name does not start with a double underscore? What is the correct output of the given code snippets? <?php $num = 10 + 20; echo "__LINE__"; ?>	CO4	U	10	N	1.7.1
82	Explain the roles of cookies and sessions in PHP. Compare and contrast cookies and sessions, discussing their respective advantages and limitations. Write a PHP code snippet to check whether a cookie is set or not, and explain how it works.	CO4	AN	10	T	3.6.2
83	Discuss strings in PHP and the various ways to manipulate them. Differentiate between single-quoted and double-quoted strings, and provide detailed explanations of PHP string functions with examples.	CO4	AN/U	10	T	2.6.4
84	What is Node.js?Name two built-in modules in Node.js.	CO5	R	2	T	1.6.1
85	Illustrate what does the require function do in Node.js?	CO5	A	2	T	1.6.1
86	Differentiate between synchronous and asynchronous code execution in Node.js.	CO5	U	2	T	1.6.1
87	Analyze the role of middleware in Express.js and provide examples of middleware functions.	CO5	AN	2	T	2.5.1
88	Explain what Node.js is and how it differs from traditional server-side JavaScript. Discuss its significance in modern web development.	CO5	U	2	T	1.6.1
89	How does Express.js handle HTTP requests and responses?	CO5	R	2	T	2.5.2
90	What is the purpose of the Express.js static middleware?	CO5	R	2	T	1.6.1
91	Design a Node.js code snippet that reads a file named "example.txt" and logs its content to the console.	CO5	AN	5	T	2.5.1
92	Describe the routing mechanism in Express.js and how it helps in organizing and handling HTTP requests.	CO5	U	5	N	1.6.1
93	Create a basic "Hello, World!" application in Node.js. Include code snippets and explanations for each step.	CO5	A	5	N	3.6.2
94	How do you connect a Node.js application to MongoDB?	CO5	U	5	T	1.7.1
95	Demonstrate the role of NPM in Node.js development. Describe how to initialize a new Node.js project, manage dependencies, and install packages using NPM.	CO5	A	5	T	1.7.1
96	List and describe at least three global objects available in Node.js. Provide examples of how each object can be used in a Node.js application.	CO5	U	5	T	1.6.1
97	Explain the concept of modules in Node.js. Discuss the difference between built-in core modules and user-created modules.	CO5	A	5	T	2.6.5
98	Can you create a RESTful API for a blogging platform using Node.js and Express.js?	CO5	U	10	T	2.5.1
99	Describe in detail how to send various types of responses (HTML, JSON, files) from an Express.js server to a client. Discuss the use of response methods like res.send(), res.json(), and res.sendFile(). Include code examples for each	CO5	A	10	T	3.6.2
100	Discuss in detail the five global objects: process, console, __dirname, __filename, global). Explain their purposes and provide practical examples of their use in Node.js applications.	CO5	A	10	N	1.7.1
101	Design and implement a simple Express.js application that serves a web page with user authentication. Describe the application's features, routes, and the use of middleware.	CO5	AN	10	N	2.5.1
102	Outline the steps involved in creating a robust Express.js application from scratch. Include setting up the project structure, defining routes, implementing middleware, and serving static files. Use practical examples to illustrate each step.	CO5	AN	10	N	2.5.1
103	Walk through the steps to create a basic "Hello, World" application in Node.js. Include code snippets, explanations, and the role of the http module in handling HTTP requests and responses.	CO5	A	10	N	3.6.2
104	Design and implement a feature-rich Express.js application, for task management system. Explain the application's architecture, including routes, middleware, and data storage.	CO5	A	10	N	3.6.2
105	What is Django's primary purpose, and how does it help web developers achieve it?	CO6	R	2	T	1.6.1
106	How does Django handle URL routing and mapping to views?	CO6	R	2	T	1.7.1
107	Write a Django view function that renders an HTML template named "index.html" for the homepage of a website.	CO6	A	2	T	3.6.2
108	What is the Django template language used for?	CO6	R	2	T	1.6.1

109	Explain what Django is and why it is considered a popular web framework for Python.	CO6	U		2	T	1.7.1
110	Illustrate the purpose of Django's Object-Relational Mapping (ORM) system.	CO6	U		2	T	1.6.1
111	Create a Django model named "Product" with fields for name, price, and description.	CO6	AN		2	N	2.5.1
112	How do you create a new Django project?	CO6	AN		5	T	3.6.2
113	Describe the MVT (Model-View-Template) architectural pattern used in Django. Explain the role of each component (Model, View, and Template) and how they interact in a Django project.	CO6	U		5	T	1.6.1
114	Walk through the steps required to create a basic Django project using the MVT structure. Include instructions for setting up a project directory, creating a virtual environment, and initializing a Django project. Discuss the purpose of key project files and folders.	CO6	A		5	T	2.5.1
115	Discuss in detail the advantages of Django over other frameworks	CO6	A		5	T	1.7.1
116	Compare and Contrast Django's MVT architectural pattern with traditional MVC pattern.	CO6	AN		5	T	2.6.5
117	In a Django project, what is the purpose of the "settings.py" file, "manage.py" and where is it located?	CO6	R		5	T	1.7.1
118	How do Django apps enhance the organization and modularity of a Django project? Provide an example of when you might create a custom app in Django.	CO6	U		5	T	2.8.1
119	Explain the process of creating views and templates in Django. Describe how views handle HTTP requests and render templates. Provide examples of creating views for displaying data from models.	CO6	A		10	T	1.7.1
120	Explain the concept of Django apps and their role in a Django project. Provide a step-by-step guide on how to create a new app within an existing Django project. Include instructions for defining models, views, and templates within the app.	CO6	A		10	T	3.6.2
121	Creating a Django project for Online Bookstore.Provide a step-by-step guide	CO6	A		10	N	3.6.2
122	Create a personal blog website using Django where users can read and write blog posts. The website should have the following features: 1.User Registration and Authentication: Users should be able to register, log in, and log out. 2.Blog Posts: Users can create, edit, and delete their own blog posts.Each blog post should have a title, content, publication date, and the author's name	CO6	A		10	N	3.6.2
123	Create a basic to-do list application using Django, where users can register, log in, and manage their to-do tasks.	CO6	A		10	N	3.6.2
124	Discuss how Django implements the MVT pattern and its advantages in web application development. Provide examples to illustrate your points.	CO6	A		10	T	1.7.1
125	Creating a Django project involves several steps.Provide Step-by-step guide to create a Django project and app for tennis club project with member app	CO6	A		10	N	1.7.1
126	Explain Pseudo classes in CSS with example.	CO1	AN		10	N	3.1.1
127	Explain CSS styling with example.	CO3	E		10	N	2.5.2
128	Explain Progressive Web Apps with example.	CO4	AN		10	T	1.7.1
129	Explain CSS variables with example.	CO3	R		10	N	1.3.1
130	Explain Cookies management with example.	CO5	A		10	T	3.6.3
131	Explain Fetch API with example.	CO3	U		2	T	1.7.1
132	Explain Meta tags in HTML with example.	CO3	E		10	T	3.5.1
133	Explain Cookies management with example.	CO2	U		5	N	2.5.2
134	Explain CSS Flexbox with example.	CO5	AN		2	N	1.3.1
135	Explain Pseudo classes in CSS with example.	CO4	C		2	N	1.1.1
136	Explain CSS styling with example.	CO2	C		2	T	1.3.1
137	Explain Media queries with example.	CO3	AN		10	T	2.5.2
138	Explain Transitions and animations with example.	CO4	R		10	N	3.5.1
139	Explain Web security with example.	CO5	A		5	T	1.7.1
140	Explain Progressive Web Apps with example.	CO1	A		5	T	1.3.1
141	Explain API authentication with example.	CO1	C		10	N	3.5.1
142	Explain API authentication with example.	CO5	C		2	T	1.7.1
143	Explain Cross-origin requests with example.	CO2	A		10	N	1.7.1
144	Explain Session storage with example.	CO2	E		10	N	1.1.1
145	Explain Transitions and animations with example.	CO3	E		2	T	1.3.1
146	Explain CSS Flexbox with example.	CO3	C		10	T	3.5.1
147	Explain Event handling in JavaScript with example.	CO1	AN		5	N	3.5.1
148	Explain Cross-origin requests with example.	CO1	U		10	N	2.5.2
149	Explain Async/Await with example.	CO1	C		2	T	3.6.3
150	Explain Fetch API with example.	CO4	A		5	N	3.1.1
151	Explain Local storage with example.	CO5	AN		10	N	3.6.1
152	Explain Event handling in JavaScript with example.	CO5	AN		10	N	3.6.1
153	Explain Media queries with example.	CO5	A		5	N	3.6.3
154	Explain Canvas API with example.	CO2	U		2	T	1.1.1
155	Explain API authentication with example.	CO2	U		2	T	1.7.1
156	Explain Form validation with example.	CO3	AN		2	N	2.5.2
157	Explain HTML5 semantic elements with example.	CO4	U		10	T	3.6.3
158	Explain Cross-origin requests with example.	CO5	C		2	T	1.7.1
159	Explain SVG graphics with example.	CO4	U		10	T	1.1.1
160	Explain REST API integration with example.	CO2	R		10	N	1.3.1
161	Explain CSS variables with example.	CO3	E		10	N	1.1.1
162	Explain HTML forms with example.	CO3	E		5	T	1.3.1
163	Explain CSS styling with example.	CO4	U		10	T	3.1.1
164	Explain HTML5 semantic elements with example.	CO5	E		2	T	3.1.1
165	Explain HTML forms with example.	CO3	AN		5	N	2.5.2
166	Explain Event handling in JavaScript with example.	CO5	E		10	T	1.7.1
167	Explain API authentication with example.	CO3	AN		10	T	1.1.1
168	Explain Form validation with example.	CO3	E		5	T	3.1.1
169	Explain JavaScript functions with example.	CO1	U		5	T	1.7.1
170	Explain Promises with example.	CO3	E		10	N	1.1.1
171	Explain SEO optimization with example.	CO5	AN		10	N	2.5.2
172	Explain Bootstrap framework with example.	CO3	U		2	N	1.7.1
173	Explain API authentication with example.	CO3	R		2	N	1.3.1
174	Explain Service Workers with example.	CO1	E		5	N	3.1.1
175	Explain Web security with example.	CO2	U		2	N	3.6.3
176	Explain Event handling in JavaScript with example.	CO1	E		10	N	3.6.1
177	Explain Meta tags in HTML with example.	CO3	C		2	T	1.7.1
178	Explain Local storage with example.	CO2	R		5	N	2.5.2
179	Explain Web security with example.	CO5	A		2	T	3.6.1
180	Explain Form validation with example.	CO1	R		2	N	3.6.1
181	Explain Regular expressions in JS with example.	CO3	R		5	T	3.6.1
182	Explain Local storage with example.	CO5	E		5	N	1.3.1
183	Explain Form validation with example.	CO2	R		10	T	3.5.1
184	Explain Responsive design with example.	CO3	C		5	N	1.3.1
185	Explain Responsive images with example.	CO5	R		2	T	3.6.1
186	Explain Local storage with example.	CO3	AN		5	T	1.3.1
187	Explain Form validation with example.	CO2	AN		5	N	3.6.3
188	Explain JavaScript DOM manipulation with example.	CO2	C		2	N	3.6.1
189	Explain HTML forms with example.	CO4	E		10	T	3.6.3
190	Explain Pseudo classes in CSS with example.	CO2	AN		10	T	3.1.1
191	Explain CSS styling with example.	CO1	U		5	N	3.5.1
192	Explain JavaScript ES6 features with example.	CO2	C		2	T	3.5.1
193	Explain Regular expressions in JS with example.	CO2	R		5	N	1.7.1
194	Explain HTML forms with example.	CO1	AN		10	T	3.6.3
195	Explain Web security with example.	CO3	E		5	N	1.1.1
196	Explain Service Workers with example.	CO2	R		10	N	1.1.1
197	Explain Bootstrap framework with example.	CO3	E		2	N	3.5.1
198	Explain JSON parsing with example.	CO3	A		5	T	3.6.3
199	Explain CSS Grid with example.	CO4	C		10	N	1.1.1
200	Explain Canvas API with example.	CO4	E		5	T	1.7.1
201	Explain HTML forms with example.	CO1	E		5	N	2.5.2
202	Explain Async/Await with example.	CO1	AN		5	N	3.6.3
203	Explain REST API integration with example.	CO1	U		10	N	3.5.1
204	Explain Meta tags in HTML with example.	CO2	E		2	T	2.5.2
205	Explain Media queries with example.	CO3	E		5	N	1.7.1
206	Explain Cookies management with example.	CO3	AN		10	N	1.1.1
207	Explain Local storage with example.	CO2	C		2	T	3.5.1
208	Explain HTML forms with example.	CO1	R		5	T	2.5.2
209	Explain Pseudo classes in CSS with example.	CO1	A		5	T	3.6.1
210	Explain Cookies management with example.	CO1	R		2	N	3.1.1
211	Explain Async/Await with example.	CO3	E		2	N	3.5.1
212	Explain Event handling in JavaScript with example.	CO2	AN		5	T	1.7.1
213	Explain Media queries with example.	CO2	U		5	N	1.1.1
214	Explain Fetch API with example.	CO5	AN		5	T	3.6.1
215	Explain Local storage with example.	CO4	U		2	T	1.3.1
216	Explain Web security with example.	CO1	C		10	N	3.1.1
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218	Explain Cookies management with example.	CO1	AN		5	T	3.1.1
219	Explain CSS variables with example.	CO1	R		5	N	3.1.1
220	Explain Local storage with example.	CO3	AN		5	N	3.6.1
221	Explain Pseudo classes in CSS with example.	CO5	AN		2	N	2.5.2
222	Explain JSON parsing with example.	CO2	A		5	N	2.5.2
223	Explain Bootstrap framework with example.	CO4	A		10	N	3.6.1
224	Explain JavaScript DOM manipulation with example.	CO5	R		2	N	2.5.2
225	Explain Responsive images with example.	CO5	AN		5	N	2.5.2
226	Explain CSS Grid with example.	CO2	A		10	N	3.5.1
227	Explain JavaScript ES6 features with example.	CO1	A		5	T	3.5.1
228	Explain Canvas API with example.	CO1	C		10	N	3.5.1
229	Explain JavaScript DOM manipulation with example.	CO3	A		2	T	2.5.2
230	Explain JavaScript DOM manipulation with example.	CO1	U		5	T	1.7.1
231	Explain CSS variables with example.	CO2	U		5	T	3.1.1
232	Explain Async/Await with example.	CO2	A		2	T	3.6.1
233	Explain Bootstrap framework with example.	CO5	U		5	T	1.1.1
234	Explain REST API integration with example.	CO2	A		2	T	3.5.1
235	Explain Form validation with example.	CO1	E		10	T	2.5.2
236	Explain Web security with example.	CO1	C		2	T	1.1.1
237	Explain Service Workers with example.	CO1	E		5	N	3.5.1

238	Explain Cross-origin requests with example.	CO1	R	2	N	3.5.1
239	Explain CSS Grid with example.	CO5	AN	2	N	1.1.1
240	Explain AJAX requests with example.	CO1	C	10	N	1.3.1
241	Explain Bootstrap framework with example.	CO3	E	5	N	1.3.1
242	Explain AJAX requests with example.	CO4	AN	5	N	1.1.1
243	Explain CSS Flexbox with example.	CO5	C	10	N	3.6.3
244	Explain HTTP methods with example.	CO1	R	10	T	3.5.1
245	Explain JavaScript ES6 features with example.	CO5	AN	10	T	3.1.1
246	Explain Responsive images with example.	CO4	A	2	T	3.6.1
247	Explain Form validation with example.	CO1	U	10	T	3.5.1
248	Explain JSON parsing with example.	CO5	AN	10	T	3.6.3
249	Explain CSS styling with example.	CO4	A	2	T	2.5.2
250	Explain JSON parsing with example.	CO2	AN	10	T	1.3.1
251	Explain Fetch API with example.	CO1	R	10	T	3.5.1
252	Explain Fetch API with example.	CO3	A	10	N	3.5.1
253	Explain Transitions and animations with example.	CO2	C	10	T	2.5.2
254	Explain Cookies management with example.	CO1	AN	10	T	1.7.1
255	Explain Meta tags in HTML with example.	CO2	C	5	T	3.5.1
256	Explain HTTP methods with example.	CO4	A	10	N	2.5.2
257	Explain Local storage with example.	CO3	R	5	T	3.5.1
258	Explain WebSockets with example.	CO4	E	5	T	3.5.1
259	Explain CSS Flexbox with example.	CO1	A	5	N	3.6.1
260	Explain HTML5 semantic elements with example.	CO1	C	2	N	3.5.1
261	Explain Session storage with example.	CO5	R	2	T	2.5.2
262	Explain Pseudo classes in CSS with example.	CO5	AN	10	T	3.1.1
263	Explain Cookies management with example.	CO3	E	10	N	3.6.3
264	Explain Regular expressions in JS with example.	CO1	AN	2	N	3.6.1
265	Explain JavaScript functions with example.	CO4	U	10	T	1.3.1
266	Explain HTTP methods with example.	CO1	R	2	T	3.1.1
267	Explain Session storage with example.	CO5	AN	2	T	1.1.1
268	Explain Pseudo classes in CSS with example.	CO1	AN	10	T	1.7.1
269	Explain CSS Flexbox with example.	CO5	AN	10	T	3.5.1
270	Explain Pseudo classes in CSS with example.	CO2	E	2	N	1.7.1
271	Explain Local storage with example.	CO4	E	5	T	1.1.1
272	Explain Responsive images with example.	CO3	AN	5	N	3.6.3
273	Explain Session storage with example.	CO2	A	10	T	2.5.2
274	Explain Web security with example.	CO2	C	5	N	3.6.3
275	Explain Responsive images with example.	CO3	AN	2	N	3.6.3
276	Explain CSS Flexbox with example.	CO4	AN	10	T	2.5.2
277	Explain AJAX requests with example.	CO1	AN	2	N	1.7.1
278	Explain Canvas API with example.	CO5	U	2	T	3.6.1
279	Explain AJAX requests with example.	CO2	R	10	N	2.5.2
280	Explain HTML5 semantic elements with example.	CO4	R	5	N	3.6.3
281	Explain API authentication with example.	CO3	R	10	T	1.3.1
282	Explain JavaScript DOM manipulation with example.	CO5	A	10	T	3.5.1
283	Explain SVG graphics with example.	CO3	R	10	N	3.6.3
284	Explain CSS Grid with example.	CO5	AN	5	T	3.1.1
285	Explain REST API integration with example.	CO4	C	2	T	1.7.1
286	Explain Responsive images with example.	CO4	A	10	T	1.1.1
287	Explain Responsive design with example.	CO5	E	10	T	3.1.1
288	Explain JSON parsing with example.	CO4	E	5	T	1.7.1
289	Explain Fetch API with example.	CO3	AN	2	N	3.1.1
290	Explain Pseudo classes in CSS with example.	CO5	C	10	N	3.6.1
291	Explain Promises with example.	CO4	U	10	N	3.1.1
292	Explain Async/Await with example.	CO2	U	5	T	2.5.2
293	Explain CSS Grid with example.	CO1	A	5	N	2.5.2
294	Explain API authentication with example.	CO2	E	5	N	1.1.1
295	Explain Web security with example.	CO1	U	2	N	3.1.1
296	Explain Pseudo classes in CSS with example.	CO1	AN	10	N	2.5.2
297	Explain Form validation with example.	CO4	E	2	N	2.5.2
298	Explain Progressive Web Apps with example.	CO4	U	5	N	2.5.2
299	Explain AJAX requests with example.	CO5	U	10	N	1.7.1
300	Explain Local storage with example.	CO3	E	10	N	3.5.1
301	Explain HTTP methods with example.	CO2	C	10	N	3.5.1
302	Explain CSS Flexbox with example.	CO4	R	2	N	1.1.1
303	Explain Session storage with example.	CO5	C	5	T	1.7.1
304	Explain Service Workers with example.	CO2	A	5	T	1.7.1
305	Explain SEO optimization with example.	CO2	E	2	T	1.3.1
306	Explain CSS Flexbox with example.	CO5	C	10	T	1.3.1
307	Explain CSS Grid with example.	CO1	AN	2	N	3.1.1
308	Explain Pseudo classes in CSS with example.	CO5	AN	5	T	2.5.2
309	Explain Session storage with example.	CO4	A	10	N	3.1.1
310	Explain CSS variables with example.	CO5	R	2	T	3.5.1
311	Explain Audio and Video tags with example.	CO3	R	10	T	1.3.1
312	Explain Promises with example.	CO5	E	2	N	3.5.1
313	Explain API authentication with example.	CO5	U	10	N	3.6.1
314	Explain Web security with example.	CO5	C	5	T	2.5.2
315	Explain SEO optimization with example.	CO1	AN	10	N	3.6.1
316	Explain Event handling in JavaScript with example.	CO1	U	5	N	1.3.1
317	Explain SVG graphics with example.	CO1	R	2	N	1.7.1
318	Explain SVG graphics with example.	CO2	A	2	T	3.6.3
319	Explain Fetch API with example.	CO2	U	5	N	1.1.1
320	Explain API authentication with example.	CO4	A	10	T	3.1.1
321	Explain SEO optimization with example.	CO2	AN	2	T	3.5.1
322	Explain Service Workers with example.	CO2	E	2	T	1.1.1
323	Explain Progressive Web Apps with example.	CO4	C	5	N	1.7.1
324	Explain Audio and Video tags with example.	CO4	U	10	T	3.6.1
325	Explain HTTP methods with example.	CO3	R	10	N	2.5.2