

QUESTION BANK : MCQS
CHAPTER 03: PROGRAMMING FUNDAMENTALS

What does HTML stand for?

- A) HyperText Markup Language
- B) Hyperlink Text Management Language
- C) HyperText Multimedia Language
- D) Hyperlink Transfer Markup Language

What is the purpose of CSS in web development?

- A) Adding interactivity to a webpage
- B) Defining the structure of a webpage
- C) Styling and layout of a webpage
- D) Debugging code

Which tag is used to create a hyperlink in HTML?

- A) <a>
- B) <link>
- C) <href>
- D) <hyper>

What is the file extension for CSS files?

- A) .html
- B) .js
- C) .css
- D) .style

Which of the following is a valid JavaScript data type?

- A) Float
- B) String
- C) Number
- D) Both B and C

In JavaScript, how do you write a comment?

- A) // This is a comment
- B) /* This is a comment */
- C) <!-- This is a comment -->
- D) Both A and B

What does the document.getElementById() function do in JavaScript?

- A) Deletes an element from the DOM
- B) Retrieves an element with a specific ID
- C) Adds a new ID to an element
- D) Styles an element with a specific ID

Which of the following is NOT a valid CSS selector?

- A) .classname
- B) #idname
- C) elementname

D) /element/

What is debugging in programming?

- A) Writing new code
- B) Fixing errors in code
- C) Designing a website layout
- D) Testing the speed of a program

Which tag is used to include JavaScript in an HTML file?

- A) <script>
- B) <js>
- C) <code>
- D) <javascript>

Which of the following is NOT a valid HTML tag?

- A) <p>
- B) <div>
- C)
- D) <css>

How can you apply a CSS class to an HTML element?

- A) Use the class attribute
- B) Use the id attribute
- C) Use the style attribute
- D) Use the href attribute

Which JavaScript keyword is used to declare a variable?

- A) var
- B) let
- C) const
- D) All of the above

In CSS, how do you change the background color of a webpage?

- A) background-color: blue;
- B) bg-color: blue;
- C) color-background: blue;
- D) back-color: blue;

What does the <meta> tag do in HTML?

- A) Links external stylesheets
- B) Provides metadata about the document
- C) Embeds JavaScript
- D) Displays images

Which of the following is used to make text bold in HTML?

- A)
- B)
- C) Both A and B
- D) <bold>

How do you declare a function in JavaScript?

- A) function myFunction() {}
- B) def myFunction() {}
- C) func myFunction() {}
- D) create myFunction() {}

Which property is used to align text in CSS?

- A) align-text
- B) text-align
- C) alignment
- D) align

How do you link an external JavaScript file to an HTML document?

- A) <link src="script.js">
- B) <script src="script.js"></script>
- C) <javascript href="script.js"></javascript>
- D) <js link="script.js">

What is the purpose of the <body> tag in HTML?

- A) To define the document's metadata
- B) To display the main content of the webpage
- C) To link external resources
- D) To write CSS code

Which of the following CSS properties is used for spacing inside an element?

- A) Margin
- B) Padding
- C) Border
- D) Spacing

How do you add a single-line comment in JavaScript?

- A) <!-- Comment -->
- B) // Comment
- C) /* Comment */
- D) \$ Comment

What does the tag define in HTML?

- A) An unordered list
- B) An underlined text
- C) An upper-level heading
- D) A unique list

What does console.log() do in JavaScript?

- A) Declares a variable
- B) Outputs information to the browser console
- C) Logs into a database
- D) Links JavaScript to HTML

Which of the following is a valid CSS pseudo-class?

- A) :hover
- B) :click
- C) :press
- D) :scroll

How do you add a border in CSS?

- A) border: 1px solid black;
- B) border-color: black;
- C) add-border: 1px solid;
- D) border-style: black;

In JavaScript, what does == do?

- A) Compares both value and type
- B) Compares value only
- C) Assigns a value
- D) Compares type only

Which attribute is used to specify an image source in HTML?

- A) href
- B) src
- C) alt
- D) link

What is the default position of elements in CSS?

- A) relative
- B) absolute
- C) fixed
- D) static

Which JavaScript method is used to combine two arrays?

- A) add()
- B) concat()
- C) merge()
- D) append()

What does the <iframe> tag do in HTML?

- A) Embeds another webpage within the current page
- B) Inserts an image
- C) Adds a form to the webpage
- D) Creates a clickable button

Which CSS property is used to change the font size?

- A) font-size
- B) text-size
- C) font-style
- D) size-font

In JavaScript, what is the result of typeof 42?

- A) number
- B) integer
- C) float
- D) string

How do you create an ordered list in HTML?

- A)
- B)
- C)
- D) <order>

What is the purpose of the alt attribute in the tag?

- A) Links an image to another file
- B) Provides alternative text if the image fails to load
- C) Specifies the size of the image
- D) Defines the alignment of the image

What does the z-index property control in CSS?

- A) The horizontal position of an element
- B) The vertical position of an element
- C) The stacking order of elements
- D) The font size of text

Which of the following is a valid way to define a CSS rule?

- A) .classname { color: red; }
- B) #classname: { color: red; }
- C) classname { color: red; }
- D) /classname/ { color: red; }

In JavaScript, what does NaN stand for?

- A) Not a Name
- B) Not a Number
- C) No Applicable Number
- D) Null and None

Which of the following is NOT a valid JavaScript loop?

- A) for
- B) while
- C) do-while
- D) repeat

What is the purpose of media queries in CSS?

- A) To debug CSS code
- B) To apply styles based on device type or size
- C) To create inline styles
- D) To remove styles dynamically

QUESTIONS BANK: SHORT QUESTIONS

CHAPTER 03 : PROGRAMMING FUNDAMENTALS

1. Define HTML.
2. What is the purpose of CSS in web development?
3. How does JavaScript enhance a webpage?
4. What is the difference between inline CSS and external CSS?
5. Write the basic structure of an HTML document.
6. What is the purpose of the <title> tag in HTML?
7. How do you link an external CSS file to an HTML document?
8. What is the role of the <head> tag in an HTML document?
9. Define JavaScript with an example.
10. What are some common debugging tools for web developers?
11. What is the purpose of the <style> tag in HTML?
12. How do you add a comment in CSS?
13. What is the difference between id and class in HTML?
14. Explain the term "dynamic website."
15. How does JavaScript manipulate the DOM?
16. What is a selector in CSS?
17. What is the difference between margin and padding in CSS?
18. How do you write a function in JavaScript?
19. What is a variable in JavaScript?
20. Define "event" in the context of JavaScript.
21. What is the purpose of the <link> tag in HTML?
22. Define inline, internal, and external CSS with examples.
23. How do you create an unordered list in HTML?
24. What are semantic tags in HTML? Give examples.
25. How do you define an ID selector in CSS?
26. What is the difference between var, let, and const in JavaScript?
27. Explain the concept of the DOM in JavaScript.
28. How do you include JavaScript code in an HTML file?
29. Write an example of a CSS rule for changing the text color to blue.
30. What is the difference between <div> and in HTML?
31. How do you add a background image to a webpage using CSS?
32. What are pseudo-classes in CSS? Provide an example.
33. Define the term "responsive design."
34. How do you handle events in JavaScript? Provide an example.
35. What is the purpose of the <script> tag in HTML?
36. What is the difference between block-level and inline elements in HTML?
37. How do you use media queries in CSS?
38. What are JavaScript objects? Provide an example.
39. Explain the difference between synchronous and asynchronous JavaScript.
40. How do you create a hyperlink that opens in a new tab in HTML?
41. What are CSS transitions? Provide an example.
42. What is the purpose of the <form> tag in HTML?
43. How do you validate a form using JavaScript?
44. What are the different types of lists in HTML?
45. How do you create a drop-down menu using HTML and CSS?
46. What is the role of the position property in CSS?
47. How do you write a conditional statement in JavaScript?
48. What are CSS animations? Provide an example.
49. Explain the use of the alt attribute in the tag.
50. What are JavaScript arrays? Provide an example.

QUESTIONS BANK: LONG QUESTIONS
CHAPTER 03 : PROGRAMMING FUNDAMENTALS

1. Explain the structure and purpose of an HTML document with an example.
2. Discuss the various types of CSS with examples (inline, internal, and external).
3. Write a detailed note on the significance of JavaScript in web development.
4. Describe the steps involved in debugging code in JavaScript.
5. Explain the Document Object Model (DOM) and its manipulation using JavaScript.
6. Compare and contrast HTML and CSS in web development.
7. Write a detailed explanation of how to create a dynamic website using HTML, CSS, and JavaScript.
8. Describe the process of linking JavaScript to an HTML document and executing scripts.
9. Discuss the importance of CSS in creating responsive designs.
10. Explain the key steps to debug errors in web code effectively.

