

Repeated Questions

1. **What is Variable?** (Repeated as Questions 1, 14, 26)
2. **Define Array.** (Repeated as Questions 15, 28)
3. **What is Repeater?** (Repeated as Questions 10, 45)
4. **Define Cookies.** (Repeated as Questions 17, 34, 54)
5. **What is Authentication?** (Repeated as Questions 19, 35)
6. **What are Page Directives?** (Repeated as Questions 11, 24)

1. What is a Variable?

- A variable is a storage location in programming that holds a value.
- It can store various data types, such as numbers, strings, or objects.
- Variables can be modified during the execution of a program.
- They help manage and manipulate data dynamically in code.

2. Define Data types in VBScript.

- VBScript has a single data type called "Variant."
- The Variant data type can store any kind of data, like numbers, strings, or dates.
- VBScript automatically converts data types as needed during operations.
- This flexibility allows VBScript to handle a wide range of values easily.

3. How to declare a variable in JavaScript?

- In JavaScript, variables can be declared using `var`, `let`, or `const`.
- Syntax: `let variableName;` OR `var variableName;`
- `let` and `const` are block-scoped, while `var` is function-scoped.
- `const` is used for variables whose values should not change.

4. What is looping?

- Looping is a programming construct to repeat a block of code.
- It saves time by executing a set of instructions multiple times.
- Common loops include `for`, `while`, and `do...while` loops.
- Loops are essential for tasks that require iteration over data.

5. What is Document Object?

- The Document Object represents the HTML or XML document in a web page.
- It is part of the Document Object Model (DOM) in JavaScript.
- The Document Object allows scripts to interact with and modify web content.
- It provides methods like `getElementById` to access elements.

6. Define the term Object.

- An object is a collection of properties and methods in programming.
- Objects can represent real-world entities with specific attributes.
- In JavaScript, objects are key-value pairs stored in curly braces `{}`.
- Objects support modular, reusable, and organized code.

7. List any four Events.

- `onclick` : Triggered when an element is clicked.
- `onmouseover` : Triggered when the mouse pointer is over an element.
- `onchange` : Triggered when the value of an input element changes.
- `onsubmit` : Triggered when a form is submitted.

8. What is Text Box?

- A text box is an input field in HTML for user text entry.
- It allows users to input single or multiple lines of text.
- Text boxes are created using `<input type="text">` in HTML.
- They are commonly used in forms for data collection.

9. What is OLEDB?

- OLEDB stands for Object Linking and Embedding Database.
- It is a Microsoft API for accessing data from different sources.
- OLEDB allows connectivity to relational and non-relational databases.
- It supports applications to access data using SQL.

10. What is Repeater?

- A Repeater is a data-bound control in ASP.NET.
- It allows displaying a repeated list of items from a data source.
- The Repeater provides flexibility to customize the displayed layout.
- It does not support built-in editing or selection but is used for custom templates.

11. What are Page Directives?

- Page Directives provide page-specific configuration in ASP.NET.
- Common directives include `@Page` , `@Control` , and `@Import` .
- They are written at the beginning of an ASP.NET page.
- Page Directives control behaviors such as language, debugging, and caching.

12. What is IP Address?

- An IP address is a unique identifier for a device on a network.
- It allows devices to communicate over the internet or a local network.
- IP addresses are of two types: IPv4 and IPv6.
- Each IP address consists of numbers separated by dots or colons.

13. What are VBScript data types?

- VBScript uses the Variant data type, which can hold different types.
- Common types within Variant include Integer, Double, String, and Date.
- VBScript handles conversions between these types automatically.
- The Variant type makes VBScript flexible but may lack strict type control.

14. Define: Variable.

- A variable is a named memory location that stores data values.
- Variables can store different types of data, depending on the language.
- They enable dynamic manipulation of data during program execution.
- Variables help make programs flexible and reusable.

15. Define: Array.

- An array is a collection of items stored in a single variable.

- Arrays hold multiple values of the same or different types.
- Elements in an array are accessed using index positions.
- Arrays facilitate easy data organization and iteration.

16. What is a function?

- A function is a reusable block of code designed to perform a task.
- Functions can take input parameters and return outputs.
- They help in organizing code into smaller, manageable parts.
- Functions improve code readability and reusability.

17. Define: Cookies.

- Cookies are small pieces of data stored by a web browser.
- They help remember user information across different sessions.
- Cookies store data such as login info and user preferences.
- They have expiration dates, after which they are automatically deleted.

18. Define data grid.

- A data grid is a control used to display tabular data.
- It provides built-in features like sorting, paging, and editing.
- Data grids are commonly used in web and desktop applications.
- They enhance user interaction with structured data.

19. What is meant by authentication?

- Authentication is the process of verifying user identity.
- It ensures only authorized users access secure resources.
- Common authentication methods include passwords and biometrics.
- It is essential for data protection and system security.

20. List any four HTML server controls.

- `<asp:TextBox>` : Allows user text input.
- `<asp:Button>` : Triggers actions on a form.
- `<asp:DropDownList>` : Displays a list of options.
- `<asp:CheckBox>` : Enables selection of a boolean option.

21. Define: Loop.

- A loop repeats a block of code until a condition is met.
- Loops reduce repetitive code and automate tasks.
- Examples of loops include `for`, `while`, and `do...while`.
- They are essential for iterative processes in programming.

22. Name any two user-defined functions in JavaScript.

- Custom functions created by developers, such as:
 - `calculateTotal()` : Calculates total price or amount.

- `displayMessage()` : Shows a custom message to the user.

23. What is Data Adapter?

- A Data Adapter is an object in .NET to manage data transfer.
- It connects a DataSet with a data source like SQL.
- Data Adapters are used for retrieving and saving data.
- They support operations like `Fill` and `Update` .

24. What is Page Directives?

- Page Directives are instructions at the top of an ASP.NET page.
- They control settings such as language, caching, and tracing.
- Directives influence page behavior and execution in ASP.NET.
- They are defined with `@` , e.g., `@Page` .

25. What are operators?

- Operators perform operations on variables and values.
- Types include arithmetic, logical, and comparison operators.
- Operators help in mathematical and logical computations.
- They are essential for manipulating data in programs.

26. Define variable.

- Variables hold values that programs can use and modify.
- They make data handling dynamic and flexible in programs.
- Variables are defined with a name, type, and optionally, a value.
- Their purpose is to store data temporarily for processing.

27. What is JavaScript?

- JavaScript is a programming language for web development.
- It enables interactive content in web browsers.
- JavaScript works alongside HTML and CSS for web applications.
- It is widely used for front-end development and back-end with Node.js.

28. Define Array.

- Arrays store multiple values in a single variable.
- They are used for managing lists of items.
- Array elements are indexed for easy access.
- Arrays support sorting, iteration, and other operations.

29. What is an event?

- An event is an action or occurrence in a web page.
- Events include clicks, mouse movements, and key presses.
- JavaScript can handle events using event listeners.
- Events enable interactive and responsive web applications.

30. List any four built-in objects.

- Math : Performs mathematical operations.
- Date : Manages date and time.
- String : Manipulates text strings.
- Array : Manages ordered collections of data.

31. How to incorporate Image in ASP.NET?

- Use the `<asp:Image>` control to display an image.
- Specify `ImageUrl` property to set the image path.
- `<asp:Image ID="Image1" runat="server" ImageUrl="path.jpg" /> .`
- Images can also be dynamically generated and assigned.

32. What is a form?

- A form is an HTML structure for user data entry.
- Forms support various controls like text boxes, buttons, and checkboxes.
- Form data is submitted to a server for processing.
- They are crucial for interactive web applications.

33. What is IIS?

- IIS (Internet Information Services) is a web server by Microsoft.
- It hosts websites and web applications on Windows servers.
- IIS supports ASP.NET applications and various protocols.
- It provides security, performance, and monitoring tools.

34. Define Cookies.

- Cookies are small text files stored on a user's browser.
- They store information like user preferences or session IDs.
- Cookies are used to remember user data across sessions.
- They have expiration dates and can be deleted by the user.

35. What is Authentication?

- Authentication verifies a user's identity in a system.
- It ensures only valid users access resources.
- Methods include passwords, biometrics, and tokens.
- Authentication is key for protecting sensitive data.

36. What is SSL?

- SSL stands for Secure Sockets Layer.
- It encrypts data for secure internet communication.
- SSL uses certificates for website authentication.
- It is commonly used in HTTPS for secure browsing.

37. How are variables declared in VBScript?

- Variables in VBScript are declared using `Dim` .
- Syntax: `Dim variableName` .
- VBScript variables do not require explicit data types.
- Variables can be declared locally or globally.

38. Give the syntax of For... Next loop in VBScript.

- Syntax: `For counter = start To end [Step increment] ... Next` .
- Executes code within the loop until the condition is met.
- `Step` defines the increment value, default is 1.
- Commonly used for iterative tasks.

39. What are the advantages of JavaScript?

- JavaScript runs directly in the browser, enhancing performance.
- It enables dynamic, interactive web content.
- JavaScript works across platforms and devices.
- It integrates easily with HTML and CSS.

40. How to define a window object?

- The `window` object represents a browser window.
- It is a global object with properties and methods like `alert` .
- Window object functions as the root for all objects in the DOM.
- It can be used to open, close, or modify windows.

41. List the properties of page Event.

- `IsPostBack` : Checks if the page is loading in response to a postback.
- `Title` : Sets or gets the page title.
- `ClientScript` : Accesses client-side scripts in the page.
- `Request` : Retrieves HTTP request information.

42. Mention the need for Radio Button.

- Radio buttons allow a user to select one option from a group.
- They are used when only one selection is allowed.
- Radio buttons are easy for users to understand.
- Useful for mutually exclusive options in forms.

43. Define: Dataset class.

- Dataset is an in-memory data storage for .NET applications.
- It represents data in tables, making data manipulation easier.
- Dataset can handle data from multiple sources.
- It supports data binding to display data in UI elements.

44. Give the expansion for SSL.

- SSL stands for Secure Sockets Layer.

45. What constitutes ASP intrinsic objects?

- Request : Retrieves client information.
- Response : Sends output to the client.
- Session : Manages user-specific information.
- Application : Stores global information across sessions.

46. List the Arithmetic Operators used in JavaScript.

- + for addition.
- - for subtraction.
- * for multiplication.
- / for division.

47. Name any two control structures used in VBScript.

- If...Then : Conditional branching.
- For...Next : Looping structure.

48. What is VBScript?

- VBScript is a scripting language by Microsoft.
- It is primarily used for client-side automation in Internet Explorer.
- VBScript is similar to Visual Basic in syntax.
- It supports automation in Windows applications and web pages.

49. Define constants.

- Constants are values that do not change during program execution.
- Declared using `const` in many programming languages.
- Constants provide stability and prevent accidental changes.
- They are often used for fixed values, like mathematical constants.

50. What is a conditional statement?

- A conditional statement executes code based on a condition.
- Common examples are `if`, `else`, and `switch` statements.
- Conditions allow branching logic within code.
- They are essential for decision-making processes.

51. Name the types of assignment operators in JavaScript.

- = for basic assignment.
- += for addition assignment.
- -= for subtraction assignment.
- *= for multiplication assignment.

52. Write the If...else syntax in JavaScript.


```
if (condition) { // code to execute if condition is true } else { // code to execute if condition is false }
```

53. Define DOM.

- DOM (Document Object Model) represents the structure of a document.
- It is a hierarchical tree model of HTML/XML documents.
- DOM enables JavaScript to access and manipulate elements.
- Changes to DOM directly affect the page's display.

54. What is ASP.NET?

- ASP.NET is a framework for building web applications by Microsoft.
- It uses languages like C# and VB.NET.
- ASP.NET supports features like data binding and security.
- It provides robust tools for server-side development.

55. What is Radio button?

- Radio buttons allow single-choice selection within a group.
- They are created with the `type="radio"` attribute in HTML.
- Radio buttons are commonly used in forms for exclusive options.
- Selecting one button deselects others in the same group.

56. What is E-mail?

- E-mail is a method of exchanging digital messages.
- It works over the internet using protocols like SMTP.
- E-mail can contain text, attachments, and media.
- It is widely used for communication in personal and professional contexts.

57. Write the methods of response object.

- `Response.Write` : Outputs text to the webpage.
- `Response.Redirect` : Redirects to a different page.
- `Response.End` : Stops page processing.
- `Response.Clear` : Clears the buffer content.

58. List the HTML server controls.

- `<asp:Label>` : Displays text.
- `<asp:TextBox>` : Takes user input.
- `<asp:Button>` : Submits form data.
- `<asp:DropDownList>` : Displays a dropdown menu.