

Server-Side Web Scripting Technologies questions:

- 1) True or False: Server side examples are where pages are dynamically generated to incorporate results of data on processing on the server system so server side technology is appropriate.
Answer: False, Server side scripting
- 2) A compiled programming language developed by Microsoft and used for stand-alone applications and server-side Web applications
Choices: C++, Java, C#, Visual Basic
Answer: Visual Basic
- 3) A procedural compiled programming language used to develop stand-alone applications, rather than Web applications
Choices: PHP, C, Perl, C#
Answer: C
- 4) Microsoft's original server-side scripting solution
Choices: C#, PHP, Perl, ASP
Answer: ASP
- 5) An interpreted server-side scripting language for creating dynamic Web pages
Choices: C#, PHP, Perl, ASP
Answer: PHP
- 6) Can provide general information (date, time, etc.).
Choices: Server-side, Client-side
Answer: Client-side
- 7) Referred to as the system on which the browser software is running.
Choices: Server-side, Client-side
Answer: Client-side
- 8) Can provide information about an individual or thing.
Choices: Server-side, Client-side
Answer: Server-side
- 9) Runs and interprets scripts.
Choices: Server-side, Client-side
Answer: Server-side
- 10) True or False: JavaScript is one of the most popular and dynamic languages that can be used in developing websites.
Answer: True

Java Web Servlets and Java Server Pages (JSP) questions:

1) When doPost() method of servlet gets called?

Choices:

- A. A POST request results from an HTML form that specifically lists POST as the METHOD.
- B. The service() method checks the HTTP request type as POST and calls doPost() method.
- C. Both of the above.
- D. None of the above.

Answer: C

2) Which of the following code is used to set content type of a page to be serviced using servlet?

Choices:

- A. response.setContentType()
- B. request.setContentType()
- C. writer.setContentType()
- D. None of the above.

Answer: A

3) Which of the following code retrieves the name of the authentication scheme?

Choices:

- A. new AuthType()
- B. response.getAuthType()
- C. request.getAuthType()
- D. None of the above.

Answer: C

4) Which of the following code retrieves any extra path information associated with the URL the client sent?

Choices:

- A. Header.getPathInfo()
- B. response.getPathInfo()
- C. request.getPathInfo()
- D. None of the above.

Answer: C

- 5) Which of the following code retrieves the part of this request's URL from the protocol name?

Choices:

- A. `request.getRequestURI()`
- B. `response.getRequestURI()`
- C. `Header.getRequestURI()`
- D. None of the above.

Answer: A

- 6) Which of the following code can be used to add a header?

Choices:

- A. `request.addHeader(name,value)`
- B. `response.addDateHeader(name,value)`
- C. `Header.addDateHeader(name,value)`
- D. None of the above.

Answer: B

- 7) Which of the following code can be used to set the character encoding for the body of the response?

Choices:

- A. `response.setCharacterEncoding(charset)`
- B. `request.setCharacterEncoding(charset)`
- C. `header.setCharacterEncoding(charset)`
- D. None of the above.

Answer: A

- 8) Which of the following is true about `javax.servlet.error.request_uri`?

Choices:

- A. This attribute gives exact error message which can be stored and analysed after storing in a `java.lang.String` data type.
- B. This attribute gives information about exception type which can be stored and analysed after storing in a `java.lang.Class` data type.
- C. This attribute gives status code which can be stored and analysed after storing in a `java.lang.Integer` data type.
- D. This attribute gives information about URL calling the servlet and it can be stored and analysed after storing in a `java.lang.String` data type.

Answer: D

9) Which of the following code is used to get an attribute in a HTTP Session object in servlets?

Choices:

- A. session.getAttribute(name)
- B. session.alterAttribute(name)
- C. session.updateAttribute(name)
- D. None of the above.

Answer: A

10) Which of the following code is used to get language code in servlets?

Choices:

- A. response.getLanguage()
- B. Locale.getLanguage()
- C. request.getLanguage()
- D. None of the above.

Answer: C

11) True or False: When using JSPs do we have to enclose all our HTML tags within Java Strings?

Answer: False

12) True or False: JSP files do not have to be compiled?

Answer: True

13) Where do we put JSP files that we don't want directly invoked by name?

Choices:

- A. classes directory
- B. web application root
- C. webapps directory
- D. WEB-INF directory

Answer: D

14) True or False: When we make changes to a JSP page we have to redeploy the web application it belongs to?

Answer: False

15) JSP files within the WEB-INF directory that we want to access directly from a browser bar, need what?

Choices:

- A. DD entries
- B. A forward dispatcher
- C. An include dispatcher
- D. A Redirect

Answer: A

16) True or False: A JSP is translated into a Servlet by the container?

Answer: True

17) What is the first stage in the JSP lifecycle?

Choices:

- A. Initialisation
- B. Creation
- C. Class loading
- D. Instantiation
- E. Translation

Answer: E

18) How many JSP lifecycle methods are there?

Choices:

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: C

19) Which of these JSP lifecycle stages comes first?

Choices:

- A. Initialisation
- B. Instantiation

Answer: B

20) How many stages are there in the JSP lifecycle?

Choices:

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

Answer: E

PHP questions:

1) What does PHP stand for?

Choices:

- A. PHP: Hypertext Preprocessor
- B. Personal Hypertext Processor
- C. Private Home Page

Answer: A

2) How do you write "Hello World" in PHP?

Choices:

- A. "Hello World";
- B. Document.Write("Hello World");
- C. echo "Hello World";

Answer: C

3) The PHP syntax is most similar to:

Choices:

- A. Perl and C
- B. JavaScript
- C. VBScript

Answer: A

4) True or False: When using the POST method, variables are displayed in the URL.

Answer: False

5) True or False: In PHP you can use both single quotes (' ') and double quotes (" ") for strings.

Answer: True

6) Include files must have the file extension ".inc"

Answer: False

7) What is the correct way to create a function in PHP?

Choices:

- A. create myFunction()
- B. function myFunction()
- C. new_function myFunction()

Answer: B

8) True or False: PHP allows you to send emails directly from a script

Answer: True

9) True or False: In PHP, the only way to output text is with echo.

Answer: False

10) True or False: The if statement is used to execute some code only if a specified condition is true.

Answer: True

ASP questions

1) ASP stands for?

Choices:

- A. Application Service Provider
- B. Active Server Pages
- C. Access Service Provider
- D. Application Specific Products

Answer: B

2) ASP can be combined with the following, except?

Choices:

- A. XML
- B. COM
- C. TXT
- D. HTML

Answer: C

3) True or False: Pages that contain ASP instructions will have an .asp extension.

Answer: True

4) ASP pages which contain scripts for the server are usually enclosed by what separator?

Choices:

- A. <! !>
- B. <= =>
- C. <. .>
- D. <% %>

Answer: D

5) True or False: ASP is a good option if you want to create a dynamic and interactive web application.

Answer: True

6) Which is not one of the five primary ASP objects?

Choices:

- A. The Server object
- B. The Request object
- C. The Client object
- D. The Session object

Answer: C

7) True or False: The Server object is used to manage properties and methods on the server.

Answer: True

8) Which ASP object transfers data from the server going to the client?

Choices:

- A. The Response object
- B. The Session object
- C. The Application object
- D. The Request object

Answer: A

9) Which ASP object retrieves data from the client which will then be sent to the server?

Choices:

- A. The Response object
- B. The Session object
- C. The Application object
- D. The Request object

Answer: D

10) Which ASP object manages and stores session data for the users?

Choices:

- A. The Response object
- B. The Session object
- C. The Application object
- D. The Request object

Common Gateway Interface questions

1) CGI was first introduced in?

Choices:

- A. 1992
- B. 1993
- C. 1994
- D. 1995

Answer: B

2) The most popular language that is used as a CGI script.

Choices:

- A. C++
- B. Java
- C. Php
- D. Perl

Answer: D

3) The team that introduced CGI

Choices:

- A. NCSA
- B. ASEAN
- C. IBM
- D. CISCO

Answer: A

4) Which is not one of the 4 ways in which the HTTP server and CGI script communicates?

Choices:

- A. Environment variables
- B. Standard output
- C. Command input
- D. Command Line

Answer: C

5) NCSA stands for?

Choices:

- A. [National Center for Supercomputing Applications](#)
- B. National Citizen Service Association
- C. National Cyber Security Alliance
- D. National Center for Statistics and Analysis

Answer: A

6) True or False: There are 5 ways in which the HTTP server and CGI script communicates.

Answer: False

7) CGI stands for?

Choices:

- A. Computer-Generated Imagery
- B. Computer Graphics Interface
- C. Computer Generated Interface
- D. Common Gateway Interface

Answer: D

8) Which is not among the two categories of environment variables of CGI?

Choices:

- A. Request Specific Variables
- B. Standard Specific Variables
- C. Server Specific Variables

Answer: B

9) True or False: Command line is one of the major ways whereas only used for isindex queries.

Answer: True

10) True or False: The client relays to the CGI script the information about the request when the HTTP server receives a request for the CGI script.

Answer: False

Server-side JavaScript with node.js questions:

1) Who developed node?

Choices:

- A. Bill Gates
- B. Steve Jobs
- C. Ryan Dahl
- D. Robin Williams

Answer: C

2) What JavaScript engine was node.js built with?

Choices:

- A. Google's V8 JavaScript engine
- B. Mozilla's JavaScript engine
- C. Microsoft's JavaScript engine

Answer: A

3) What command will display the version of node.js installed on your computer?

Choices:

- A. node -c
- B. node -e
- C. node -vs
- D. node -v

Answer: D

4) When did they started developing node?

Choices:

- A. 2009
- B. 2010
- C. 2011
- D. 2012

Answer: A.

5) True or False: One of the main reasons as to why they developed node.js is that we can utilize the event based functions of JavaScript in the client to a server.

Answer: False.

6) True or False: Node.js uses an event-based server execution process.

Answer: True

7) Which command should be entered on a command line tool to check if NPM is installed on your computer and to print its version?

Choices:

- A. npm -check
- B. npm -ver
- C. npm -v
- D. npm -vs

Answer: C

- 8) True or False: Node is not a good option if you are looking for a tool that will be able to run JavaScript applications on both server and client side.

Answer: False

- 9) True or False: The event-based asynchronous functions of node.js is what makes it unique.

Answer: True

- 10) These command line interfaces can be used for node.js commands. Which one is not included?

Choices:

- A. Windows Command Prompt
- B. Windows Powershell
- C. Notepad
- D. NPM-home

Answer: C