

<b>Started on</b>	Sunday, 20 August 2023, 10:18 PM
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<b>Completed on</b>	Sunday, 20 August 2023, 10:48 PM
<b>Time taken</b>	29 mins 48 secs
<b>Grade</b>	<b>85.00</b> out of 100.00

**Question 1**

Correct

Mark 5.00 out of 5.00

A software that is needed to run a Virtual Machine Image is called

- ☒ a. Hypervisor ✓
- ☐ b. VM Daemon
- ☐ c. Virtual Processor
- ☐ d. Hyperdrive
- ☐ e. Virtual Desktop

The correct answer is:  
Hypervisor

**Question 2**

Correct

Mark 5.00 out of 5.00

Why do we need an SVN while working on a software development project?

- ☒ a. As a contingency plan while building or updating the software ✓
- ☐ b. Because some of SVN's are free to use
- ☐ c. To follow the trends
- ☐ d. Ensure that the team always use the latest technology
- ☐ e. Client's requirement

The correct answer is:

As a contingency plan while building or updating the software

**Question 3**

Correct

Mark 5.00 out of 5.00

What options can't be configured in docker-compose.yml?

- ☐ a. Folder path
- ☐ b. image's version
- ☐ c. docker image
- ☒ d. image's operating system ✓
- ☐ e. Port

The correct answer is:

image's operating system

Question 4

Correct

Mark 5.00 out of 5.00

Which Git command is used to create a new branch?

- ☐ a. git checkout
- ☐ b. git split
- ☒ c. git branch ✓
- ☐ d. git commit
- ☐ e. git tree

The correct answer is:  
git branch

**Question 5**

Correct

Mark 5.00 out of 5.00

Observe the following script

```
1 <html>
2   <body>
3     <p>Unordered List</p>
4     <ul>
5       <li>Coffee</li>
6       <li>Tea</li>
7       <li>Milk</li>
8     </ul>
9
10    <button onClick="getIdx()" >Try me</button>
11
12    <p id="demo"></p>
13
14    <script>
15      function getIdx() {
16        var x = document.getElementsByTagName("li");
17        document.getElementById("demo").innerHTML = x[1].innerHTML;
18      }
19    </script>
20  </body>
21 </html>
```

What is the output when the button is clicked?

- ☐ a. Unordered List
- ☐ b. Milk
- ☒ c. Tea ✓
- ☐ d. Coffee
- ☐ e. Try me

The correct answer is:

Tea

**Question 6**

Incorrect

Mark 0.00 out of 5.00

The process of copying other's repository to become your git repository is called

- ☐ a. duplicating
- ☒ b. cloning ✖
- ☐ c. doubling
- ☐ d. forking
- ☐ e. pulling

The correct answer is:  
forking

**Question 7**

Incorrect

Mark 0.00 out of 5.00

These options below are Javascript benefit or features, except

- ☐ a. Enrich user experiences when interacting with the web page
- ☐ b. Allow interactivity in web pages
- ☐ c. Provide server-based form validation
- ☐ d. Ability to provide animation for web page
- ☒ e. Web-based games ✖

The correct answer is:  
Provide server-based form validation

**Question 8**

Correct

Mark 5.00 out of 5.00

Which of the following way is the correct way to define a native JS function?

- ☐ a. `function myFunction { }`
- ☒ b. `function myFunction() { } ✓`
- ☐ c. `def myFunction() { }`
- ☐ d. `myFunction() => { }`
- ☐ e. `var myFunction = function() { }`

The correct answer is: `function myFunction() { }`

**Question 9**

Correct

Mark 5.00 out of 5.00

The following statement is not the reason why we need to use a JS library

- ☒ a. To improve the application performance ✓
- ☐ b. Some libraries can be modified to suit our needs
- ☐ c. Faster development time by reusing existing modules
- ☐ d. Simplify tasks by just calling predefined functions
- ☐ e. Provide flexibility for cross-browser compatibility

The correct answer is: To improve the application performance

**Question 10**

Correct

Mark 5.00 out of 5.00

A software that is needed to run a container is called

- ☐ a. Hypervisor
- ☐ b. VM Daemon
- ☐ c. Virtual Processor
- ☐ d. Hyperdrive
- ☒ e. Docker Daemon ✓

The correct answer is:

Docker Daemon

**Question 11**

Correct

Mark 5.00 out of 5.00

Why virtual machines are great for cloud computing service?

- ☐ a. Small file size
- ☒ b. Cheaper to use ✓
- ☐ c. Many free images can be downloaded
- ☐ d. Always viruses-free
- ☐ e. Faster than traditional server

The correct answer is:

Cheaper to use

**Question 12**

Correct

Mark 5.00 out of 5.00

The following statements are correct about containers, except:

- ☐ a. Do not use hypervisor
- ☒ b. Provide full isolation environment from the host ✓
- ☐ c. Can use folder in host environment as a local folder in the container
- ☐ d. Contains Linux OS
- ☐ e. Depend on the host operating system (OS)

The correct answers are: Do not use hypervisor,  
Provide full isolation environment from the host

**Question 13**

Correct

Mark 5.00 out of 5.00

What tag should be used to define the Javascript function?

- ☒ a. <script> ✓
- ☐ b. <body>
- ☐ c. <head>
- ☐ d. <code>
- ☐ e. <javascript>

The correct answers are:  
<body>,  
<script>



**Question 14**

Correct

Mark 5.00 out of 5.00

The representation of the whole document as nodes and attributes of a tree is the definition of:

- ☐ a. URL
- ☐ b. HTTP
- ☒ c. DOM ✓
- ☐ d. HTML Elements
- ☐ e. <Body>

The correct answer is:

DOM

**Question 15**

Correct

Mark 5.00 out of 5.00

Please see the following code:

```
var person= {  
  "name" : "Bob",  
  "address" : "Kennington" }  
var c = {}  
c = person
```

Changing c variable will also change the person object. This operation is called:

- ☒ a. Pass by reference ✓
- ☐ b. Declaring object inside object
- ☐ c. Pass by value
- ☐ d. Reflection
- ☐ e. Property removal

The correct answer is:

Pass by reference

**Question 16**

Correct

Mark 5.00 out of 5.00

You need to make local copy from a remote repository. This process is called

- ☐ a. pulling
- ☐ b. doubling
- ☐ c. duplicating
- ☒ d. cloning ✓
- ☐ e. forking

The correct answer is:  
cloning

**Question 17**

Correct

Mark 5.00 out of 5.00

Evaluate the following scenario

```
wdc@wdc-VirtualBox:~/Documents/webgis/my-app$ git commit -m "add file"
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  modified:   readme.md

Untracked files:
  library.js

no changes added to commit
wdc@wdc-VirtualBox:~/Documents/webgis/my-app$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

  modified:   readme.md

Untracked files:
  (use "git add <file>..." to include in what will be committed)

  library.js

no changes added to commit (use "git add" and/or "git commit -a")
wdc@wdc-VirtualBox:~/Documents/webgis/my-app$
```

The user couldn't commit the repository. What could be the problem?

- ☐ a. Incorrect syntax
- ☐ b. user forgot to run \$ git push
- ☐ c. user forgot to set username and password
- ☐ d. Remote git repository is not defined
- ☒ e. user forgot to run \$ git add. ✓

The correct answer is:  
user forgot to run \$ git add.

**Question 18**

Correct

Mark 5.00 out of 5.00

How can you create and switch to a new branch in Git?

- ☐ a. git create [branch name]
- ☐ b. git create-switch -b [branch name]
- ☒ c. git checkout -b [branch name] ✓
- ☐ d. git switch [branch name]
- ☐ e. git branch [branch name]

The correct answer is:

git checkout -b [branch name]

**Question 19**

Correct

Mark 5.00 out of 5.00

What is the return value of x from the following codes

```
var x = myFunction (5,4)
function myFunction (a,b)
{ return a*b
}
```

Answer:



The correct answer is: 20

**Question 20**

Incorrect

Mark 0.00 out of 5.00

Observe the following screenshot for an attempted to run the database using docker. What should you do to overcome the problem?

```
C:\container>docker compose up
error during connect: this error may indicate that the docker daemon is not running: Get
"http://%2F%2F.%2Fpipe%2Fdocker_engine/v1.24/containers/json?all
=1&filters=%7B%22label%22%3A%7B%22com.docker.compose.project%3Dpostgis%22%3Atrue%7D%7D": open //./pipe/docker_engine: The
system cannot find the file specified.
```

- ☐ a. Change the folder where you should run the docker command
- ☐ b. Restart your PC
- ☐ c. Login as an administrator before running the docker command
- ☒ d. Download and install the Docker Desktop in your machine ✖
- ☐ e. Start the docker desktop

The correct answer is:

Start the docker desktop