Google Cloud Computing

(Jul-Oct 2024)

Assignment- Week 1
TYPE OF QUESTION: MCQ/MSQ

Number of questions: 10   **Total mark: 10 X 1 = 10**

QUESTION 1:

Cloud computing architecture is a combination of?

      a) Service-oriented architecture and grid computing

      b) Utility computing and event-driven architecture.

      c) Service-oriented architecture and event-driven architecture.

      d) Virtualization and event-driven architecture.

Correct Answer: (c)

Explanation: Cloud computing architecture is a combination of service-oriented architecture and event-driven architecture.

QUESTION 2:

Which of the following is an example of a PaaS cloud service?

      a) Heroku

      b) AWS Elastic Beanstalk

      c) Windows Azure

      d) None of the above

Correct Answer: (a), (b) and (c)

Explanation: PaaS stands for Platform-as-a-Service. In PaaS, the users receive hardware or software tools from the users on the internet. AWS Elastic Beanstalk, Windows Azure, Heroku are example of a PaaS service.

QUESTION 3:

Google App Engine comes under which kind of service?

      a) Compute service

      b) Networking service

      c) Storage service

      d) Big data service

Correct Answer: (a)

Explanation: Google app engine is a compute service in GCP.

QUESTION 4:

Developing and deploying web-based software in data centers is managed by which Google cloud platform service?

- a) Compute engine
- b) Google App engine
- c) Kubernetes Engines
- d) None of the above

Correct Answer: (b)

Explanation: Developing and deploying web-based software in data centers is managed by the Google App engine service of GCP

QUESTION 5:

What is the purpose of a folder in GCP?
- a) Used to organize projects
- b) Used to organize instances
- c) Used to organize users
- d) Folders are not part of the hierarchy

Correct Answer: (a)

Explanation: Folders are used to organize projects. You can put projects or other folders into a folder

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QUESTION 6:

Which command line tool can be used to manage Cloud Storage?
- a) bq
- b) Cloud Shell
- c) gcloud
- d) gsutil

Correct Answer: (d)

Explanation: The gsutil CLI tool is used for managing Cloud Storage

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QUESTION 7:

Which database is used for mobile app development in GCP?

      a) Cloud SQL
      b) Firebase
      c) Cloud Bigtable
      d) None of the above

Correct Answer: (b)

Explanation: Firebase is a kind of database in GCP which is used for mobile app development.

QUESTION 8:

Which of the following enables the user to run the GCP command line tool from the local desktop?
a) Cloud SDK
b) Cloud Shell
c) Compute Engine
d) App Engine

Correct Answer: (a)

Detailed Solution: Cloud SDK is a tool provided by Google which can be downloaded and installed in the local desktop to access GCP command line tool and configure various projects

QUESTION 9:

How would you test a Google API and learn how it works?
      a) Use the help files in Cloud Shell
      b) Use the gcloud command in the Cloud SDK
      c) Use the APIs Explorer that is part of the GCP console
      d) Use the console to get the directions on how to build the api by service

Correct Answer: (c)

Explanation: APIs Explorer helps you learn about the APIs interactively. It lets you see what APIs are available, in what versions, as well as how they work

QUESTION 10:

Which of the following is a common format for API requests in GCP?

      a) XML
      b) JSON
      c) CSV
      d) YAML

Correct Answer: (b)

Explanation: JSON is an open standard file format and data interchange format that uses human-readable text to store and transmit data objects consisting of attribute–value pairs and arrays.