

STUDENT VERSION (Week-7)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview/Certification Questions
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting

Teamwork Schedule

Ice-breaking

10m

- Personal Questions (Study Environment, Kids etc.)
- Any challenges (Classes, Coding, AWS, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Team work

10m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions

15m

1. By which company is MariaDB developed?

- A. Oracle Corporation
- B. Microsoft Corporation
- C. IBM Corporation
- D. MariaDB Corporation

2. MariaDB is an open-source database management system. Under which license is it released?

- A. MIT License
- B. Apache License
- C. GNU General Public License
- D. BSD License

3. Which conditional expression is used to execute a block of code when more than one condition exists ?

- A. if
- B. case
- C. for
- D. elif

4. Which conditional statement is used to execute a block of code repeatedly as long as a condition is true?

- A. if
- B. for
- C. while
- D. case

5. Which loop is used to execute a block of code for a fixed number of times?

- A. for loop
- B. while loop
- C. do-while loop
- D. until loop

6. When checking the conditions of files, which of the following statement is incorrect ?

- A. `[[-e FILE]]` Exists
- B. `[[-r FILE]]` Readable
- C. `[[-d FILE]]` Directory
- D. `[[-w FILE]]` Writable/Readable

7. What is subnetting?

- A. The process of dividing a network into multiple smaller subnetworks
- B. The process of connecting two different networks
- C. The process of sharing files between computers on the same network
- D. The process of creating a virtual private network (VPN)

8. What is the maximum number of hosts that can be accommodated on a /27 subnet?

- A. 14
- B. 30
- C. 62
- D. 126

9. What is the network address for the IP address 172.16.47.174/20?

- A. 172.16.32.0
- B. 172.16.47.0
- C. 172.16.48.0
- D. 172.16.64.0

Interview/Certification Questions**20m****1. What is a database snapshot?**

- A.** A read-only copy of a database at a specific point in time
- B.** A backup of a database that can be used for disaster recovery
- C.** A database with all its data and objects saved as a single file
- D.** A copy of a database that is used for testing purposes

2. What is the difference between a database snapshot and a database backup?

- A.** A database snapshot is read-only, while a database backup is writable.
- B.** A database snapshot is a copy of a database at a specific point in time, while a database backup is a copy of the entire database.
- C.** A database snapshot is stored in a different location than a database backup.
- D.** Traffic between VPC peers in different AWS Regions is not encrypted by default.
- E.** A database snapshot is faster to create than a database backup.

3. You have a snapshot of a database that was taken 3 hours ago. You want to restore this database to the same instance. Which option should you choose?

- A.** Point-in-time restore
- B.** Multi-AZ deployment
- C.** Same region restore
- D.** Cross-region restore

4. You have started working in a company and the team leader wants you to set up a system for 7 new departments. You are given the IP address 192.168.10.0/24. How many subnets can you create and how many hosts per subnet?

- A.** 2 subnets and 126 hosts per subnet
- B.** 4 subnets and 62 hosts per subnet
- C.** 8 subnets and 30 hosts per subnet
- D.** 16 subnets and 14 hosts per subnet

Video of the Week

5m

- [How do I restore data from an Amazon RDS database snapshot?](#)

Coding Challenge

5m

- [Coding Challenge: Check Consecutive Vowels](#)

Retro Meeting on a personal and team level

10m

Ask the questions below:

- What went well?
- What could be improved?
- What will we commit to do better in the next week?

Closing

5m

-Next week's plan

-QA Session
