

# STUDENT VERSION (Week-7)

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## TEAMWORK



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## Meeting Agenda

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

# Teamwork Schedule

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## 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

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