



Unit 7 - Week 6

- Advanced Databases and Introduction to iOS

Course outline

How to access the portal?

Week 1 Lectures: Introduction to the Internet

Week 2 lectures: Building your webapp

Week 3 Lectures: Databases

Week 4: Introduction to security for webapps

Week 5 - Android Application Development

Week 6 - Advanced Databases and Introduction to iOS

- ☐ Module 19: Introduction to iOS
- ☐ Module 20: The API economy
- ☐ Module 8: Understanding database performance
- ☐ Module 10: Database security, backup & recovery
- ☐ Module 11: Analytics & Views

Assignment 6

The due date for submitting this assignment has passed. **Due on 2018-03-21, 23:59 IST.** As per our records you have not submitted this assignment.

(no negative marking, more than one options may be correct)

1) Which of the following activities are part of vertical scaling?

1 point

- ☐ Increase the RAM size of the machine
- ☐ Increase CPU capacity and adding multiple cores for parallel processing
- ☐ Improve the disk storage capacity and I/O operations per second of the machine
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Increase the RAM size of the machine

Increase CPU capacity and adding multiple cores for parallel processing

Improve the disk storage capacity and I/O operations per second of the machine

2) Which of the following statements are correct:

1 point

- ☐ We should scale the database when the performance of the app starts degrading
- ☐ We should typically build our application for scale from the beginning
- ☐ We should scale our database when there is a rapid growth in data size
- ☐ We should worry about scaling when resource consumption is very high

No, the answer is incorrect.

Score: 0

Accepted Answers:

We should scale the database when the performance of the app starts degrading

We should scale our database when there is a rapid growth in data size

We should worry about scaling when resource consumption is very high

3) What are the common methods of backing up your data?

1 point

- ☐ Exporting the entire database into one large file
- ☐ Replicating data from one DBMS instance to another
- ☐ Both of the above
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both of the above

4) What do you mean by database performance?

1 point

- ☐ Module 12: Scaling a database
- ☐ Module 17: SQL & NoSQL systems
- ☐ Quiz : Assignment 6
- ☐ Week 6 Feedback

Week 7: Modern Development Practices

Week 8 - Concluding Lectures

Download

- ☐ Time taken to connect to the database
- ☐ Time required by the DBMS to write to or read from the database
- ☐ Both of the above
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both of the above

5) Why are APIs becoming very important for businesses?

1 point

- ☐ APIs can only exchange JSON data
- ☐ APIs can expose extremely specific data or functionality that can become part of another application
- ☐ APIs help you interact with systems through a fixed UI interface
- ☐ APIs have zero failures

No, the answer is incorrect.

Score: 0

Accepted Answers:

APIs can expose extremely specific data or functionality that can become part of another application

6) Which of the following are functions of the App Delegate:

1 point

- ☐ Creating a window where the app content is drawn
- ☐ Creating core app objects
- ☐ Both of the above
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Creating a window where the app content is drawn

7) What does the UI Application Main function do?

1 point

- ☐ Loads the user interface
- ☐ Starts the run loop
- ☐ Neither 1 nor 2
- ☐ Both 1 and 2

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both 1 and 2

8) What architecture do iOS frameworks use:

1 point

- ☐ MVVM
- ☐ MVC
- ☐ MVP
- ☐ VIPER

No, the answer is incorrect.

Score: 0

Accepted Answers:

MVC

9) Which layer is the Foundation Framework a part of:

1 point

- ☐ Cocoa Touch
- ☐ Core Service
- ☐ Media



☐ Core OS

No, the answer is incorrect.

Score: 0

Accepted Answers:

Core Service

10) What is the importance of the Cocoa Touch Layer:

1 point

- ☐ It contains frameworks that define the appearance of the app
- ☐ It provides the basic App Infrastructure
- ☐ It provides support for multitasking
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

It contains frameworks that define the appearance of the app

It provides the basic App Infrastructure

It provides support for multitasking



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