

Started on Tuesday, 10 October 2023, 7:59 PM**State** Finished**Completed on** Tuesday, 10 October 2023, 8:00 PM**Time taken** 1 min 16 secs**Question 1**

Correct

Marked out of 1.00

Which of the following statements about this SQL is/are true?

SELECT UserId, Name, Password **FROM** Users **WHERE** UserId = 111 **or** 1=1;

- ☐ a. This SQL statement returns UserId, Name and Password *only* for the User with UserId=111
- ☐ b. This statement is only valid when used inside a C# application
- ☐ c. This SQL statement is not valid
- ☒ d. This SQL statement returns UserId, Name and Password for all users ✓
- ☐ e. This SQL statement returns UserId, Name and Password *only* for the User with UserId=111 AND UserId=1

Question 2

Correct

Marked out of 1.00

Which of the following statements about SQL parameters are correct?

- ☐ a. SQL parameters are not available when used in C# applications
- ☐ b. Since parameters are initialized empty string manipulation is possible
- ☐ c. SQL parameters are dangerous and open to exploitation by SQL injection
- ☒ d. Parameters are represented in the SQL statement by the "@" marker ✓

Question 3

Correct

Marked out of 1.00

Which of the following statements about database management tools is/are correct?

- ☒ a. MySQL Workbench is a fat-client ✓
- ☒ b. DataGrip is a fat-client ✓
- ☐ c. DataGrip is a web-based tool
- ☒ d. pgAdmin is a web-based tool ✓
- ☐ e. MySQL Workbench is a web-based tool

Question 4

Correct

Marked out of 1.00

Which of the following statements about SQL Injection is/are correct?

- ☒ a. SQL injection usually occurs when you ask a user for input, like their username/userid, and instead of a name/id, the user gives you an SQL statement that you will unknowingly run on your database ✓
- ☒ b. Possible consequences of SQL injection are: secure data leaks, secure data is changed, executing statements in app-context removes the need of a password, user data can be manipulated (password-change) ✓
- ☐ c. SQL injection is a technique in C# to use native MySQL language inside of code
- ☒ d. SQL injection is the placement of malicious code in SQL statements, via input ✓

Question 5

Correct

Marked out of 1.00

Which of the following commands is used for showing databases in PostgreSQL?

- ☐ a. \q
- ☐ b. \dt
- ☐ c. \$sql->showDatabases();
- ☒ d. \l+ ✓

Started on Wednesday, 1 November 2023, 5:04 PM**State** Finished**Completed on** Wednesday, 1 November 2023, 5:05 PM**Time taken** 1 min 5 secs**Question 1**

Incorrect

Marked out of 1.00

Which of the following answers are correct PostgreSQL statements?

- ☒ a. insert into mylist (myid, myvalue) values (1,'first'); ✓
- ☒ b. select * from mydatabase.public.mylist where myid > 1; ✓
- ☒ c. select * from public->mylist; ✗
- ☒ d. update mylist set myvalue='update to first' where myid=2; ✓
- ☒ e. update mylist set 'myvalue':update' ✗

Question 2

Incorrect

Marked out of 1.00

Which of the following answers depict types of SQL injection attacks?

- ☒ a. Call functions like xp_cmdshell ✓
- ☒ b. HTTP DDOS attacks ✗
- ☒ c. C# based instructions ✗
- ☒ d. Resource consumption ✓
- ☒ e. Batch or stacked statements ✓

Question 3

Incorrect

Marked out of 1.00

Which of the following commands is/are valid for creating a database in PostgreSQL?

- ☒ a. create database mydb ✓
- ☒ b. CREATE DATABASE psqldatabase ✓
- ☒ c. SUDO CREATE DATABASE ✗
- ☒ d. CREATE MYSQL DATABASE mydb ✗

Question 4

Correct

Marked out of 1.00

The basic operations of persistent storage are often abbreviated as:

- ☒ a. CRUD ✓
- ☐ b. GROOVE
- ☐ c. GEAR
- ☐ d. MOOD
- ☐ e. ROOT

Question 5

Incorrect

Marked out of 1.00

Which of the following need(s) to be defined in order to establish a connection/install a database?

- ☒ a. Port ✓
- ☒ b. C# compiler ✗
- ☒ c. Host ✓
- ☒ d. GIT repository ✗
- ☒ e. IDE ✗