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Grade received **100%** To pass 75% or higher

Final Exam

Latest Submission Grade **100%**

1. True or False: The SELECT statement is called a query, and the output we get from executing the query is called a result set.

1 / 1 point

☐ False

☒ True

✓ Correct

2. Which of the following SQL statements will delete the students with the last name Smith?

1 / 1 point

☐ DELETE 'Smith' FROM STUDENTS

☐ DELETE FROM STUDENTS WHERE LAST_NAME FROM 'Smith'

☐ DELETE FROM TEACHERS WHERE LAST_NAME = 'Smith'

☒ DELETE FROM STUDENTS WHERE LAST_NAME = 'Smith'

✓ Correct

3. The primary key of _____ uniquely identifies each row in a table.

1 / 1 point

☒ A relational table

☐ A database

☐ A name

☐ A customer

✓ Correct

4. What are the basic categories of the SQL language based on functionality?

1 / 1 point

☐ Data Manipulation Language

☐ None of the above

☒ Both of the above

☐ Data Definition Language

✓ Correct

5. When querying a table called Representative that contains a list of representatives and the state that they represent, which of the following queries will return the number of representatives from each state?

1 / 1 point

- ☐ SELECT State, count(State) FROM Representative
- ☐ SELECT State, distinct(State) FROM Representative GROUP BY State
- ☒ SELECT State, count(State) FROM Representative GROUP BY State
- ☐ SELECT distinct(State) FROM Representative

✓ Correct

6. You want to retrieve a list of books that have between 450 and 600 pages. Which clause would you add to the following SQL statement: **SELECT Title, Pages FROM Book**

1 / 1 point

- ☐ IF Pages >= 450 and Pages <= 600
- ☐ WHERE Pages 450 – 600
- ☒ WHERE Pages >= 450 and pages <= 600
- ☐ WHERE Pages = 450

✓ Correct

7. Which of the following queries will retrieve the HIGHEST value of SALARY in a table called EMPLOYEES?

1 / 1 point

- ☐ SELECT SALARY FROM EMPLOYEES WHERE MAX
- ☒ SELECT MAX(SALARY) FROM EMPLOYEES
- ☐ SELECT MIN(SALARY) FROM EMPLOYER
- ☐ SELECT MOST(SALARY) FROM EMPLOYEES

✓ Correct

8. Which of the following queries will retrieve the last name of the employee who earns the lowest salary?

1 / 1 point

- ☐ SELECT LAST_NAME, MIN(SALARY) FROM EMPLOYEES GROUP BY F_NAME
- ☐ SELECT MIN(SALARY) FROM EMPLOYEES
- ☐ SELECT FIRST_NAME FROM EMPLOYEES WHERE SALARY IS LOWEST
- ☒ SELECT LAST_NAME FROM EMPLOYEES WHERE SALARY =
(SELECT MIN(SALARY) FROM EMPLOYEES)

✓ Correct

9. A database cursor is a control structure that:

1 / 1 point

- ☒ Enables traversal over the records in a database
- ☐ Does not allow you to create tables
- ☐ Does not allow communication with a database
- ☐ Does not allow you to update records within a database

Does not allow you to update records within a database

✓ Correct

10. To query data from tables in database a connection to the database needs to be established. Which of the following is required to establish a connection with a relational database from a Python notebook?

1 / 1 point

- ☐ Username and Password
- ☐ Database Name
- ☐ A SQL or Database API
- ☒ All of the above

✓ Correct