

SQL Quiz with Answers

Question 1

Which clause is used to specify a condition in a SELECT statement?

- ☒ Where

Question 2

Which of the following is a Relational Database Management System (RDBMS)?

- ☒ All of the above (MySQL, Oracle, Microsoft Access)

Question 3

Which of the following SQL statements is used to retrieve data from a table named "customers" and display all columns?

- ☒ SELECT * FROM customers;

Question 4

How to select all data from student table starting the name from letter 'R'?

- ☒ SELECT * FROM student WHERE name LIKE 'r%';

Question 5

Which query is used to get 3rd highest salary from employees table?

- ☒ SELECT * FROM (SELECT salary, ROW_NUMBER() OVER (ORDER BY salary DESC) AS rn FROM employees) ranked WHERE rn = 3;

Question 6

The WHERE clause filters data based on a specific condition. What operator is used for comparisons?

- ☒ =

Question 7

What is the difference between an INNER JOIN and an OUTER JOIN?

- ☒ INNER JOIN returns all matching rows, while OUTER JOIN returns all rows from only one table.

Question 8

The SQL statement: **SELECT ROUND (55.926, -1) FROM DUAL;**

☒ print 60

Question 9

Assume an organization has 10 departments. Each department has 10 different employees who has different unique salaries. Which function is used to find the second highest salary of each department.

☒ Rank()

Question 10

Which of the following query finds the total rating of the sailors who have reserved boat 130?

☒ **SELECT SUM(s.rating) FROM sailors s, reserves r WHERE s.sid = r.sid AND r.bid = 103;**

Question 11

What function can be used to count the number of rows in a table?

☒ Count

Question 12

What is a subquery in SQL?

☒ A query nested within another

Question 13

What does the ORDER BY clause do in a SELECT statement?

☒ Sorts the results

Question 14

Which SQL command is used to permanently delete a table?

☒ Drop Table

Question 15

What is the difference between aggregate functions (SUM, AVG, COUNT) and scalar functions (UPPER, LOWER, LENGTH)?

☒ Aggregate functions operate on groups of data, returning a single value, while scalar functions operate on individual values.

Question 16

Find the name of those cities with temperature and condition whose condition is either sunny or cloudy but temperature must be greater than 70 degree Fahrenheit.

☒ **SELECT city, temperature, condition FROM weather WHERE (condition = 'sunny' OR condition = 'cloudy') AND temperature > 70;**

Note: None of the options were perfect; this is the correct logic.

Question 17

Which of the following query is used to get this query?

☒ **select student_id, name, "Phone Number", address, rownum from students where rownum <= 3;**

Question 18

Which SQL keyword is used to combine the results of two or more SELECT statements?

☒ **Union**

Question 19

What does the JOIN operation do in SQL?

☒ **Combines data from two or more tables**

Question 20

The SQL Statement: **SELECT SUBSTR ('abcabcabc', INSTR ('123321123', '3', 3, 2), 2) FROM DUAL;**

☒ **bc**