



Set A

1. Write an SQL query to retrieve all employees' names and salaries from a table named `Employees`, ordered by salary in descending order.
2. Retrieve the top 5 highest-paid employees from the `Employees` table.
3. Fetch employee records from the `Employees` table, skipping the first 3 records and showing the next 5 records.
4. Write a query to count the number of employees in each department from the `Employees` table.
5. Fetch the department-wise average salary from the `Employees` table, only for departments where the average salary is greater than 50,000.
6. Retrieve a list of products from the `Products` table where the product name contains the word "Laptop" .
7. Extract the first three characters from the `student_name` column in the `Students` table.
8. Fetch only those students from the `Students` table whose names start with the letter "A".
9. Write an SQL query to find the total number of orders placed in each month, considering only those months where more than 100 orders were placed.
10. Get the total and average sales amount per category from the `Sales` table, considering only categories with total sales greater than 1,00,000.
11. What does the following query return?

SELECT COUNT(*) FROM Employees;

- a) The total number of employees
- b) The sum of salaries of employees
- c) The first record of the table
- d) An error message



12. What will be the output of the following query?

SELECT LENGTH('Database');

- a) 9
- b) 8
- c) 10
- d) Error

13. Which of the following clauses is used to filter grouped results?

- a) WHERE
- b) ORDER BY
- c) HAVING
- d) GROUP BY

14. What does `LEFT JOIN` do?

- a) Returns only the matching rows from both tables
- b) Returns all rows from the left table and matching rows from the right table
- c) Returns all rows from the right table and matching rows from the left table
- d) Returns all rows from both tables

15. What will be the result of the following query?

SELECT UPPER('hello world');

- a) hello world
- b) HELLO WORLD
- c) Hello World
- d) Syntax error



16. Question:

You have two tables:

- Orders with columns: order_id, customer_id, order_date, total_amount.
- Customers with columns: customer_id, region.
- O/P- region | total_orders

Write an SQL query to find the total order amount (total_amount) for each region. Only include regions where the total order amount is greater than 10000

17. Question:

You have two tables:

- Books with columns: book_id, author_id, title, price.
- Sales with columns: sale_id, book_id, sale_date, quantity.
- O/P- author_id | total_books_sold

Write an SQL query to find the total number of books sold by each author. Only include authors who have sold more than 100 books.