DAY -1   QUERIES

1.display all record from the employee table

SELECT * FROM Employees;

#output

EmpID | EmpName | DeptID | Salary | HireDate

101 | John | 1 | 50000 | 2018-02-12

102 | Alice | 2 | 60000 | 2019-07-10

103 | Bob | 1 | 55000 | 2020-05-05

104 | Carol | 3 | 45000 | 2017-09-20

2. display only empname and salary of all employee

SELECT EmpName, Salary

FROM Employees;

#output

EmpName | Salary

John | 50000

Alice | 60000

Bob | 55000

Carol | 45000

3. find all employees who belong to the IT department

SELECT * FROM Employees

WHERE DeptID = 2;

#output

EmpID | EmpName | DeptID | Salary | HireDate

102 | Alice | 2 | 60000 | 2019-07-10

4. list employees whose salary is > than 50,000

```
SELECT EmpName, Salary

FROM Employees

WHERE Salary > 50000;
```

#output

```
EmpName | Salary

Alice   | 60000

Bob     | 55000
```

5. find employees hired before 2020-01-01

```
SELECT EmpName, HireDate

FROM Employees

WHERE HireDate < '2020-01-01';
```

#output

```
EmpName | HireDate

John    | 2018-02-12

Alice   | 2019-07-10

Carol   | 2017-09-20
```

6. display employees in desending order of salary

```
SELECT EmpName, Salary

FROM Employees

ORDER BY Salary DESC;
```

#output

```
EmpName | Salary

Alice   | 60000

Bob     | 55000

John    | 50000
```

Carol | 45000

7. count total number of employees

SELECT COUNT(*) AS TotalEmployees

FROM Employees;

#output

TotalEmployees

4

8. find avg salary of all employees

SELECT AVG(Salary) AS AvgSalary

FROM Employees;

#output

AvgSalary

52500

9. find the max salary in each dept

SELECT DeptID, MAX(Salary) AS MaxSalary

FROM Employees

GROUP BY DeptID;

#output

DeptID | MaxSalary

1 | 55000

2 | 60000

3 | 45000

10. find depts having more than 1 employee

SELECT DeptID, COUNT(EmpID) AS NumEmployees

FROM Employees

GROUP BY DeptID

HAVING COUNT(EmpID) > 1;

#output

DeptID | NumEmployees

1 | 2