

```
1  -- Switch to the Newly Created Database
2  Use TEST;
3
4  -- View the Records in the EMP and EMP_SAL Tables
5  Select * From EMP;
6  Select * From EMP_SAL;
7
8  -- 1) Department Wise Team Size and Average Salary of All Employees
9
10 Select DEPT,
11         Count(EID) As TEAM_SIZE,
12         AVG(SALARY) As AVERAGE_SALARY
13 From EMP_SAL
14 Group By DEPT;
15
16 -- 2) Count of Managers in the Company
17 Select Count(DESI) As MANAGER_COUNT
18 From EMP_SAL
19 Where DESI = 'Manager';
20
21 -- 3) Maximum and Minimum Salary of an Associate
22 Select Max(SALARY) As MAX_SAL_ASSOCIATE,
23         Min(SALARY) As MIN_SAL_ASSOCIATE
24 From EMP_SAL
25 Where DESI = 'Associate';
26
27 -- 4) Department Wise Team Size and Average Salary of Delhi Employees
28 Select DEPT,
29         Count(EMP.EID) As TEAM_SIZE,
30         Avg(SALARY) As AVERAGE_SALARY
31 From EMP
32 INNER JOIN EMP_SAL
33 ON EMP.EID = EMP_SAL.EID
34 Where CITY = 'Delhi'
35 Group By DEPT;
36
37 -- View the Records in the EMP
38 Select * From EMP;
39
40 -- 5) Generate Official Email of the Employee Taking 1st Character of First
    Name, 1st Character of Last Name, Last 3 Digits of EID, Followed by
    'RCG.COM'. Email Should be in Upper Case.
41 Select EID, NAME, CITY, PHONE, EMAIL, DOJ,
42 UPPER(Concat(LEFT(NAME, 1), SUBSTRING(RIGHT(NAME, Len(NAME) - CHARINDEX(' ',
    NAME)),1,1), RIGHT(EID, 3), '@RCG.com')) As OFFICIAL_EMAIL
43 From EMP;
44
45 -- 6) NAME, CITY, PHONE & EMAIL of the Employees Whose Age >=40
46 Select NAME, CITY, PHONE, EMAIL, DATEDIFF(Year, DOB, GETDATE()) As AGE
47 From EMP
48 Where DATEDIFF(Year, DOB, GETDATE()) >= 40;
49
50 -- 7) EID, NAME, DOJ of Employees Who Have Completed 5 Years in the Company
51 Select EID, NAME, DOJ, DATEDIFF(Year, DOJ, GETDATE()) As YEARS_COMPLETED
52 From EMP
53 Where DATEDIFF(Year, DOJ, GETDATE()) = 5;
```

```
54
55 -- 8) Details of the Managers Having Birthday in the Current Month
56 Select EMP.EID, NAME, DOB, DEPT, DESI
57 From EMP
58 INNER JOIN EMP_SAL
59 ON EMP.EID = EMP_SAL.EID
60 Where DESI = 'Manager' AND MONTH(DOB) = MONTH(GETDATE());
61
62 -- 9) EID, DEPT, DESI, SALARY of the Employee Who is Getting the Maximum Salary
63 -- First Way to Do
64 Select EID, DEPT, DESI, SALARY
65 From EMP_SAL
66 Order By (SALARY) DESC;
67
68 -- Second Way to Do
69 Select EID, DEPT, DESI, SALARY
70 From EMP_SAL
71 Where SALARY = (Select MAX(SALARY) From EMP_SAL);
72
73 -- 10) EID, NAME of Employee Who has Longest Name
74 -- First Way to Do
75 Select EID, NAME, Len(NAME) As LENGTH_NAME
76 From EMP
77 Order By Len(NAME) DESC;
78
79 -- Second Way to Do
80 Select EID, NAME, Len(NAME) As LENGTH_NAME
81 From EMP
82 Where Len(NAME) = (Select MAX(Len(NAME)) From EMP);
83
84
85 -- Correct Way to DO Q 9 And Q 10
86 -- 9) EID, DEPT, DESI, SALARY of the Employee Who is Getting the Maximum Salary
87 Select MAX(SALARY) From EMP_SAL;
88
89 Select EID, DEPT, DESI, SALARY From EMP_SAL
90 Where SALARY = 520000;
91
92 -- 10) EID, NAME of Employee Who has Longest Name
93 Select MAX(LEN(NAME)) From EMP;
94
95 Select NAME From EMP
96 Where LEN(NAME) = 18;
```