

Aarav	E101	HR	Manager	Bengaluru	Bengaluru
Diya	E102	Finance	Analyst	Hyderabad	Hyderabad
Ravi	E103	IT	Developer	Mysuru	Mysuru
Kiran	E104	IT	Tester	Mysuru	Mysuru
Meena	E105	Sales	Sales Executive	Chennai	Chennai

Ques
31.10.2022

7-11-25

i) Select e. Empno, e. Ename, d. Dname, d. Dloc
 from Employee e, Department d
 where e. Deptno = d. Deptno;

Empno	Ename	Dname	Dloc
E101	Aarav	HR	Bengaluru
E102	Diya	Finance	Hyderabad
E103	Ravi	IT	Mysuru
E104	Kiran	IT	Mysuru
E105	Meena	Sales	Chennai
E106	Rohit	R&D	Delhi

ii) Select e. Empno, e. Ename
 from Employee e
 Left join assigned-to a on e.Empno = a.Empno
 where a.Pno is null;
 Select P.Pname, Count(A.Empno) as HEADCOUNT
 from Project P
 LEFT join assigned-to on P.Pno = A.Pno
 group by P.Pname
 Order by Headcount desc;

Empno	Ename
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Pname	Headcount
ERP Upgrade	2
Payroll system	1
Tax automation	1
CRM App	1
AI Research	1
Ad Campaign	0

Empno
E101
E102
E104
E105
E106

⑤ Select E. Empno
From Employee E
where E. Empno = P.
A. Pno = P.

Empno	Ename
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⑥ Select D. Deptno, D. Dname, Avg(E. sal)
as Avg-sal, MAX(E. Sal) as Maxsal
From Dept D, Employee E
where D. Deptno = E. Deptno
group by D. Deptno, D. Dname;

Deptno	Dname	Avg-sal	Maxsal
10	HR	20000.0	20000.0
20	Finance	40000.0	40000.0
30	IT	62500.0	70000.0
40	Sales	30600.0	30600.0
60	R&D	30800.0	30800.0

⑥ Select D. Deptno
From Dept D
where D. Deptno = 50

Deptno

⑦ Select E. Empno, E. Ename, Sum(I. Incentive-amount)
as Total-incentives
From Employee E, Incentives I
where E. Empno = I. Empno
group by E. Empno, E. Ename;

Emphno	Ename	Total_Gravates
E101	Aaron	6500.0
E102	Diya	3000.0
E104	Karan	2500.0
E105	Mehak	2000.0
E106	Rohit	6000.0

⑤ Select E.Emphno, E.Ename, A.Job-Role
 From Employee E, AssignedtoA, Project P
 where E.Emphno = A.Emphno and
 A.Pno = P.Pno and P.Pname = 'Alpha project';

Emphno	Ename	Job-Role

⑥ Select D.Deptno, D.Dname, D.Dloc
 From Dept D
 where D.Deptno NOT in (Select Deptno
 from Employee);

Deptno	Dname	Dloc
50	Marketing	Pune

⑦ Select M.Emplno as Manager-no, M.Ename as Manager-name,
 count(E.Emplno) as report-count
 from Employee M, Employee E
 where E.~~Emplno~~ = M.Emplno
 group by M.Emplno, M.Ename;

Manager-no	Manager-name	Report-Count
E101	Aarone	1
E102	Diya	1
E103	Ravi	1
E104	Kiran	1
E105	Meena	1
E106	Rohit	1

⑧ Select E.Emplno, E.Ename, count(Distinct Proj)
 as project-count
 from employee E, Assigned-to A
 where a.Emplno = E.Emplno
 group by E.Emplno, E.Ename
 Having count(Distinct A.Proj) > 1;

Emplno	Ename	Project-Count
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Given
07-11-2024

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SELECT E.EMPNO,E.ENAME,D.DNAME,D.DLOC
FROM EMPLOYEE E,DEPT1 D
WHERE E.DEPTNO=D.DEPTNO;

```

	EMPNO	ENAME	DNAME	DLOC
▶	E101	Aarav	HR	Bengaluru
	E102	Diya	Finance	Hyderabad
	E103	Ravi	IT	Mysuru
	E104	Kiran	IT	Mysuru
	E105	Meena	Sales	Chennai
	E106	Rohit	R&D	Delhi

```

SELECT E.EMPNO,E.ENAME
FROM EMPLOYEE E
LEFT JOIN ASSIGNED_TO A ON E.EMPNO=A.EMPNO
WHERE A.PNO IS NULL;

```

	EMPNO	ENAME

```

SELECT P.PNAME,COUNT(A.EMPNO) AS HEADCOUNT
FROM PROJECT P
LEFT JOIN ASSIGNED_TO A ON P.PNO=A.PNO
GROUP BY P.PNAME
ORDER BY HEADCOUNT DESC;

```

	PNAME	HEADCOUNT
▶	ERP Upgrade	2
	Payroll System	1
	Tax Automation	1
	CRM App	1
	AI Research	1
	Ad Campaign	0

```

SELECT D.DEPTNO,D.DNAME,AVG(E.SAL) AS AVG_SAL,MAX(E.SAL) AS MAX_SAL
FROM DEPT1 D,EMPLOYEE E
WHERE D.DEPTNO=E.DEPTNO
GROUP BY D.DEPTNO,D.DNAME;

```

	DEPTNO	DNAME	AVG_SAL	MAX_SAL
▶	10	HR	20000.000000	20000.00
	20	Finance	40000.000000	40000.00
	30	IT	62500.000000	70000.00
	40	Sales	30600.000000	30600.00
	60	R&D	30800.000000	30800.00

```

SELECT E.EMPNO,E.ENAME,SUM(I.INCENTIVE_AMOUNT) AS TOTAL_INCENTIVES
FROM EMPLOYEE E,INCENTIVES I
WHERE E.EMPNO=I.EMPNO
GROUP BY E.EMPNO,E.ENAME;

```

	EMPNO	ENAME	TOTAL_INCENTIVES
▶	E101	Aarav	6500.00
	E102	Diya	3000.00
	E104	Kiran	2500.00
	E105	Meena	2000.00
	E106	Rohit	6000.00

```

SELECT E.EMPNO,E.ENAME,A.JOB_ROLE
FROM EMPLOYEE E,ASSIGNED_TO A,PROJECT P
WHERE E.EMPNO=A.EMPNO AND A.PNO=P.PNO AND P.PNAME="ALPHA PROJECT";

```

	EMPNO	ENAME	JOB_ROLE

```

SELECT D.DEPTNO,D.DNAME,D.DLOC
FROM DEPT1 D
WHERE D.DEPTNO NOT IN(SELECT DEPTNO
FROM EMPLOYEE);

```

	DEPTNO	DNAME	DLOC
▶	50	Marketing	Pune
*	NULL	NULL	NULL

```

SELECT M.EMPNO AS MANAGER_NO,M.ENAME AS MANAGER_NAME,COUNT(E.EMPNO) AS
REPORT_COUNT
FROM EMPLOYEE M,EMPLOYEE E
WHERE E.EMPNO=M.EMPNO
GROUP BY M.EMPNO,M.ENAME;

```

	MANAGER_NO	MANAGER_NAME	REPORT_COUNT
▶	E101	Aarav	1
	E102	Diya	1
	E103	Ravi	1
	E104	Kiran	1
	E105	Meena	1
	E106	Rohit	1

```

SELECT E.EMPNO,E.ENAME,COUNT(DISTINCT PNO) AS PROJECT_COUNT
FROM EMPLOYEE E,ASSIGNED_TO A
WHERE A.EMPNO=E.EMPNO
GROUP BY E.EMPNO,E.ENAME
HAVING COUNT(DISTINCT A.PNO)>1;

```

	EMPNO	ENAME	PROJECT_COUNT