

```
select E.EMPNO,E.ENAME,D.DNAME,D.DLOC
FROM EMPLOYEE E , DEPT D
WHERE E.DEPTNO=D.DEPTNO;
```

-- Employees who are not assigned to any project ,Project-wise headcount

	EMPNO	ENAME
--	-------	-------

```

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

```

	PNAME	COUNT(A.EMPNO)
►	Payroll System	1
	Audit Automation	1
	AI Chatbot	1
	CRM Development	1
	Ad Campaign	1
	Product Prototype	1

-- Department-wise average & max salary

```

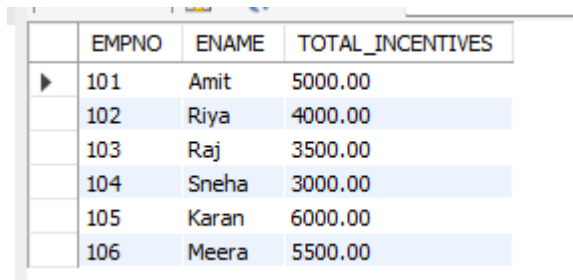
SELECT D.DNAME, AVG(E.SAL) AS AVG_SALARY, MAX(E.SAL) AS MAX_SALARY
FROM EMPLOYEE E
JOIN DEPT D ON E.DEPTNO = D.DEPTNO
GROUP BY D.DNAME;

```

	DNAME	AVG_SALARY	MAX_SALARY
►	HR	50000.000000	50000.00
	Finance	60000.000000	60000.00
	IT	55000.000000	55000.00
	Sales	48000.000000	48000.00
	Marketing	70000.000000	70000.00
	R&D	65000.000000	65000.00

-- Total incentives earned by each employee (lifetime)

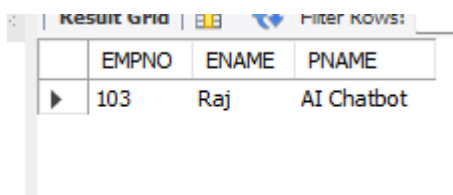
```
SELECT E.EMPNO, E.ENAME, SUM(I.INCENTIVE_AMOUNT) AS TOTAL_INCENTIVES
FROM EMPLOYEE E
JOIN INCENTIVES I ON E.EMPNO = I.EMPNO
GROUP BY E.EMPNO, E.ENAME;
```



	EMPNO	ENAME	TOTAL_INCENTIVES
▶	101	Amit	5000.00
	102	Riya	4000.00
	103	Raj	3500.00
	104	Sneha	3000.00
	105	Karan	6000.00
	106	Meera	5500.00

-- Employees working on a given project (project name :Alpha Project)

```
SELECT E.EMPNO, E.ENAME, P.PNAME
FROM EMPLOYEE E
JOIN ASSIGNED_TO A ON E.EMPNO = A.EMPNO
JOIN PROJECT P ON A.PNO = P.PNO
WHERE P.PNAME = 'AI Chatbot';
```



	EMPNO	ENAME	PNAME
▶	103	Raj	AI Chatbot

-- Departments with no employees

```
SELECT D.DEPTNO, D.DNAME
FROM DEPT D
LEFT JOIN EMPLOYEE E ON D.DEPTNO = E.DEPTNO
```

WHERE E.EMPNO IS NULL;

DEPTNO	DNAME
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-- Managers and their direct report counts (MGR_NO references EMPNO)

```
SELECT M.EMPNO AS MANAGER_ID, M.ENAME AS MANAGER_NAME, COUNT(E.EMPNO) AS  
REPORT_COUNT
```

```
FROM EMPLOYEE E
```

```
JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO
```

```
GROUP BY M.EMPNO, M.ENAME;
```

	MANAGER_ID	MANAGER_NAME	REPORT_COUNT
▶	101	Amit	2
	102	Riya	1
	103	Raj	1
	104	Sneha	1

-- Employees assigned to more than one project.

```
SELECT EMPNO, COUNT(PNO) AS PROJECT_COUNT
```

```
FROM ASSIGNED_TO
```

```
GROUP BY EMPNO
```

```
HAVING COUNT(PNO) > 1;
```

Result Grid	Filter Rows:
EMPNO	PROJECT_COUNT