1. List the maximum salary paid to salesman:

SELECT MAX(salary) AS max\_salary

FROM Emp

WHERE job = 'Salesman';

1. List names of employees whose name starts with 'I':

SELECT ename

FROM Emp

ename LIKE 'I%';

1. List details of employees who have joined before '30-Sept-81':

SELECT \*

FROM Emp

WHERE hiredate < '1981-09-30';

1. List employee details in descending order of their basic salary:

SELECT \*

FROM Emp

ORDER BY salary DESC;

1. List the number of employees and their average salary for department number '20':

SELECT deptno, COUNT(\*) AS num\_employees, AVG(salary) AS avg\_salary

FROM Emp

WHERE deptno = 20

GROUP BY deptno;

1. List the average salary and minimum salary of employees hiredate-wise for department number '10':

SELECT hiredate, AVG(salary) AS avg\_salary, MIN(salary) AS min\_salary

FROM Emp

WHERE deptno = 10

GROUP BY hiredate;

1. List employee names and their department:

SELECT e.ename, d.deptname

FROM Emp e

JOIN Dept d ON e.deptno = d.deptno;

1. List the total salary paid to each department:

SELECT d.deptname, SUM(e.salary) AS total\_salary

FROM Emp e

JOIN Dept d ON e.deptno = d.deptno

GROUP BY d.deptname;

1. List details of employees working in the 'Dev' department

SELECT \*

FROM Emp

WHERE deptno = (SELECT deptno FROM Dept WHERE deptname = 'Dev');

1. Update the salary of all employees in department number 10 by 5%:

UPDATE Emp

SET salary = salary \* 1.05

WHERE deptno = 10;