Empno	ename	designation	hiredate	salary	comm	deptno
1011	Ram	Manager	01-jan-95	20000	800	100
1021	Hari	Accountant	04-apr-99	15000	650	200
1456	Shyam	Clerk	03-jul-95	12000	500	300
1045	Sita	Analyst	06-oct-98	18000	700	400
1099	Ramesh	Clerk	01-jan-96	10000	400	300
1060	Hari	Clerk	25-dec-97	10000	400	300

Write SQL statements for the following queries:

1) Find all the information about the employee.
Ans: select * from employee;

2) Find name, designation and salary of all the employee.
Ans: select ename, designation, salary from employee;

3) Find the names of all employees who work as a clerk.
Ans: select ename from employee where designation = 'Clerk';

4) Find the information of all clerks working in department number 300.
Ans: select * from employee where designation = 'Clerk', and deptno = 300;

5) Find name, employee number and designation of the employee who works as manager or analyst.
Ans: select ename, empno, designation from employee where designation ='Manager' or designation = 'Analyst';
OR select ename, empno, designation from employee where designation in ('Manager', 'Analyst');

6) Find the records of all the employees except those whose designation is either Director or receptionist.
Ans: select * from employee where designation != 'Director' and designation != 'Receptionist';
OR   select * from employee where designation not in('Director', 'Receptionist');

7) Find the records of all the employees whose designation is either Director or receptionist.
Ans: select * from employee where designation = 'Director' and designation = 'Receptionist';
OR select * from employee where designation in('Director', 'Receptionist');

8) Find employee name, salary of all the employee whose salary is equal to 12000 and less than or equal to 20000.
Ans:

9) Find employee name, salary who earns less than 10000 or more than 15000.

Ans: select ename, salary from employee where salary < 10000 or salary > 15000;

OR : select ename, salary from employee where salary not between 10000 and 15000;

10)Find the distinct designation of the employees.
Ans: select distinct designation from employee;

11)Find the names of employees whose name starts with the alphabet 'R'.
Ans: select ename from employee where ename like 'R%';

12)Find the employee number and names whose names end in 'm'.
Ans: select empno, ename from employee where ename like '%m';

13)Find the employee name whose name starts with 'H' and ends in 'i'.
Ans: select ename from employee where ename like 'H%i';

14)Find the employee name and number whose name starts with 'R' and has two more characters after R.
Ans: select ename, empno from employee where ename like 'R__';

15)Find the names of the employees in ascending, descending order.
Ans: for ascending: select ename from employee order by ename;
     for decending: select ename from employee order by ename desc;
Asc is for ascending order. It is default for ordered by command.

16)Display the names and salaries of all the employees after increasing the salary by 20%.
Ans: select ename, salary * 1.2 from employee;

17)Display the names and commission of all the employees after incrementing the commission by 20%.
Ans: select ename, comm*1.2 as commission from employee;

18)Display the name and total salary (Salary + Commission) of all the employees.
Ans: select ename, salary + comm as Total_Salary from employee;

19)Find the records of all the employees who work as manager or earns more than 12000.
Ans: select * from employee where designation = 'Manager' or salary > 12000;

20)Find the total salary paid to all the employees.
Ans: select sum(salary) as Total_Salary from employee;

21)Find the total number of record of all the employees.
Ans: select count(*) as Total_No_Of_Record from employee order by empno;

22)Find the total number of departments.
Ans: select count(distinct deptno) from employee;

23)Find the maximum salary of each department.
Ans: select deptno, max(salary) from employee group by deptno;

24)Find all the records of employee who has highest salary.
Ans: select * from employee where salary = (select max(salary) from employee);

25)Find the department number of the employee who gets salary more than the average salary.
Ans: select deptno from employee where salary > (select avg(salary) from employee);

26)Find the department number that pays salary more than 12000.
Ans: select distinct deptno from employee where salary > 12000;