LAB 2

1. select \* from student;
2. desc student;
3. select rollno, name, class from student;
4. select rollno, name, marks from student where city = 'Delhi';
5. select \* from student where dob > '01-MAR-1998';
6. delete from student where name = 'Shivani';
7. update student set marks = 75 where class = 10;
8. select rollno as SID, class as Standard from student;
9. select avg(marks) from student;
10. select min(marks), max(marks), count(marks), sum(marks) from student;
11. select rollno, name from student where marks between 70 and 75;
12. select marks+10 from student;
13. select rollno, name from student where city = 'Delhi' and marks>70;

LAB 3

1. select \* from emp;
2. select eno, ename from emp;
3. select \* from emp where job = 'CLERK';
4. select eno, ename, sal from emp where job = 'MANAGER';
5. select eno, ename, sal from emp where job = 'MANAGER' and deptno = 30;
6. select eno, ename, hiredate from emp where hiredate > '01-JUNE-1981';
7. select eno, ename, sal, deptno from emp order by deptno;
8. select eno, ename, sal, deptno from emp order by deptno desc;
9. select eno, ename, sal, deptno from emp order by deptno, sal desc;
10. select ename from emp where job = 'CLERK' and sal > 2000;
11. select \* from emp where sal between 1000 and 1500;
12. select \* from emp where deptno in (10, 30);
13. select max(sal), min(sal), avg(sal) from emp where deptno = 10;
14. select count(\*) from emp where deptno = 20;
15. select sum(sal) from emp where job = 'CLERK';

LAB 4

1. select eno, ename, dname from emp, dept where emp.deptno = dept.dnum and ename like 'J\_\_\_\_';
2. select eno, ename, dname from emp, dept where deptno=dnum and ename like '%IN%';
3. select eno, ename, dname from emp, dept where deptno = dnum and ename like '\_\_\_\_';
4. select eno, ename, deptno, sal from emp order by deptno, ename desc;
5. select eno, ename from emp where deptno is NULL;
6. (select eno, ename from emp) minus (select eno, ename from emp where deptno is not NULL);
7. select eno, ename, dname from emp, dept where deptno = dnum and dloc = 'BOSTON';

select eno, ename, dname from emp, dept where deptno in (select dnum from dept where dloc = 'BOSTON') and deptno = dnum;

select eno, ename, dname from emp, dept where exists (select dnum from dept where deptno=dnum and dloc = 'BOSTON') and deptno=dnum;

1. select eno, ename, sal from emp where sal > (select avg(sal) from emp);
2. select dnum, dname from dept where dnum not in (select deptno from emp where deptno is not null);
3. select e1.eno, e1.ename, e2.eno, e2.ename from emp e1, emp e2 where e1.mgr = e2.eno;
4. select eno, ename from emp where mgr in (select eno from emp where deptno in (select dnum from dept where dname='SALES'));

select e1.eno, e1.ename from emp e1, emp e2, dept where e1.mgr = e2.eno and e2.deptno = dnum and dname = 'SALES';

1. select eno, ename from emp where mgr in (select eno from emp where ename = 'BLAKE');
2. select eno, ename from emp where deptno in (select dnum from dept where dname = 'SALES');

LAB 5

1. select max(sal), min(sal), avg(sal) from emp where deptno = 10;
2. select count(\*) from emp where deptno in (10, 20) group by deptno;
3. select sum(sal) from emp where job = 'CLERK';
4. select job, count(\*), avg(sal) from emp group by job;
5. select eno, ename, dname from emp, dept where deptno = dnum and (ename like '%EN' or ename like '%ER');
6. select \* from emp right outer join dept on deptno = dnum;

select \* from emp left outer join dept on deptno = dnum;

select \* from emp full outer join dept on deptno = dnum;

1. select e1.eno, e1.ename, e2.ename from emp e1, emp e2, dept where e1.mgr = e2.eno and e1.deptno = dnum and dname = 'SALES';
2. select dnum, dname, count(\*) from dept, emp where deptno = dnum and sal>1300 group by dnum, dname;
3. select eno ,ename from emp where eno in (select mgr from emp);
4. select e2.eno, e2.ename, count(\*) from emp e1, emp e2 where e1.mgr = e2.eno and e2.eno in (select mgr from emp) group by e2.eno, e2.ename;
5. select eno, ename from emp where comm is null or comm = 0;
6. select eno, ename from emp where deptno not in (select dnum from dept where dname = 'SALES');
7. select eno, ename from emp where deptno not in (select dnum from dept where dloc = 'BOSTON');

LAB 6

1. select pid, pname from part where pid not in (select pid from supply);
2. select pid, pname from part where pid in (select pid from supply where vid in (select vid from vendor where vloc = 'Delhi'));
3. select vendor.vid, vname from vendor, supply where supply.vid = vendor.vid and vloc = 'Chennai' group by vendor.vid, vname having count(\*)>3;
4. select vid, vname from vendor where vid not in (select vid from supply where pid in (select pid from part where price>100));
5. select p.pid, p.pname, count(\*) from part p, supply s where p.pid = s.pid and s.vid in (select vid from vendor where vloc = 'Chennai') group by p.pid, p.pname;
6. select vid, vname from vendor where vid not in (select vid from supply where pid in (select pid from part where price<100));
7. select part.pid, pname, count(\*) from part, supply where part.pid = supply.pid group by part.pid, part.pname;
8. select vendor.vid, vname from vendor, supply where supply.vid = vendor.vid group by vendor.vid, vname having sum(qty)>43;
9. select vid, vname from vendor where vid in (select vid from supply where pid in (select pid from part where pname = 'Pad'));
10. select v.vid, v.vname from vendor v, supply s where v.vid = s.vid and s.qty>250 group by v.vid, v.vname;
11. select v.vid, v.vname, count(\*) from vendor v, supply s where v.vid = s.vid and qty>100 group by v.vid, v.vname;

LAB 7

1.

SQL> create or replace procedure sum\_proc(a in number, b in number, c in number) is

2 n number;

3 begin

4 n :=a+b+c;

5 dbms\_output.put\_line('The sum of '||a||' ,'||b||' ,'||c||' is : '||n);

6 end;

7 /

LAB 8

1.

SQL> create or replace procedure exer(id in number) as

2 cost number;

3 name varchar(10);

4 begin

5 select title, price into name, cost from book where bid=id;

6 if cost>300 then

7 dbms\_output.put\_line(name||' , Costly');

8 else

9 dbms\_output.put\_line(name||' , Cheap');

10 end if;

11 end;

12 /