SQL ASSIGNMENT

# SECTION - 1

1. select avg(scost) from software where dev\_in='pascal';
2. select name,floor((sysdate-dob)/365) from programmer;
3. select s.name,floor((sysdate-p.dob)/365) from programmer p inner join studies s on p.name=s.name where s.course='dcs';
4. select max(sold) from software;
5. select name,dob from programmer where to\_char(dob,'MON') like'JAN';
6. select min(ccost) from studies;
7. select count(name) from studies where course='pgdca';
8. select sum(sold\*scost) from software where dev\_in='C';
9. select \*from software where lower(name)='ramesh';
10. select count(name) from studies where lower(splace)='sabhari';
11. select \*from software where (scost\*sold)>20000;
12. select dcost/scost from software where (scost\*sold)<dcost;
13. select max(scost) from software where dev\_in='basic';
14. select \*from software where (scost\*sold)>dcost;
15. select count(title) from software where dev\_in='dbase';
16. select count(name) from studies where lower(splace)='pragathi';
17. select count(name) from studies where ccost between 5000 and 10000;
18. select avg(ccost) as average\_course\_fee from studies;
19. select \*from programmer where prof1='C' or prof2='C';
20. select count(name) from programmer where prof1 in ('cobol','pascal') or prof2 in ('cobol','pascal');
21. select count(name) from programmer where prof1 not in ('C','pascal') and prof2 not in ('C','pascal');
22. select max(floor((sysdate-dob)/365)) from programmer where sex='m';
23. select avg(floor((sysdate-dob)/365)) from programmer where sex='f';
24. select name,floor((sysdate-doj)/365) from programmer order by name desc;
25. select name from programmer where to\_char(dob,'MON')=to\_char(sysdate,'MON');
26. select count(name) as female\_programmers from programmer where sex='f';
27. select prof1,prof2 from programmer where sex='m';
28. select avg(salary) from programmer;
29. select count(name) from programmer where salary between 2000 and 4000;
30. select \* from programmer where prof1 not in ('CLIPPER','COBOL','PASCAL') and prof2 not in ('CLIPPER','COBOL','PASCAL');
31. select count(name) from programmer where sex='F' and ((sysdate-dob)/365) > 24 and (prof1='C' or prof2='C');
32. select name from programmer where to\_char(dob,'WW')=to\_char(sysdate,'WW');
33. select \*from programmer where floor((sysdate-doj)/365) < 1;
34. select \*from programmer where floor((sysdate-doj)/365) = 2;
35. select title,(dcost-(scost\*sold)) from software where (scost\*sold)<dcost;
36. select title from software where sold=0;
37. select scost from software where name='Mary';
38. select distinct splace from studies;
39. select count(distinct course) from studies;
40. select name from programmer where name like '%a%a%';
41. select name from programmer where length(name)=5;
42. select count(name) from programmer where sex='F' and floor((sysdate-doj)/365) > 2 and (prof1='cobol' or prof2='cobol');
43. select min(length(name)) from programmer;
44. select avg(dcost) from software where dev\_in='cobol';
45. select name,sex,substr(dob,4,3)||substr(dob,1,2)||'/'||substr(dob,8,2) dob,substr(doj,4,3)||substr(doj,1,2)||'/'||substr(doj,8,2) doj from programmer;
46. select name from programmer where last\_day(dob)=dob;
47. select salary from programmer where sex='m' and (prof1!='cobol' or prof2!='cobol');
48. select title,scost,dcost,(dcost-scost) as difference from software order by difference desc;
49. select name,dob,doj from programmer where to\_char(dob,'MON')=to\_char(doj,'MON');
50. select title from software where title like '% %';

# SECTION - 2

1. select dev\_in,count(title) from software group by dev\_in;
2. select name,count(title) from software group by name;
3. select sex,count(name) from programmer group by sex;
4. select dev\_in,max(scost),max(sold) from software group by dev\_in;
5. select to\_char(dob,'yyyy') as year,count(name) from programmer group by to\_char(dob,'yyyy');
6. select to\_char(doj,'yyyy') as year,count(name) from programmer group by to\_char(doj,'yyyy');
7. select to\_char(dob,'mm') as month,count(name) from programmer group by to\_char(dob,'mm');
8. select to\_char(doj,'mm') as month,count(name) from programmer group by to\_char(doj,'mm');
9. select prof1,count(prof1) from programmer group by prof1;
10. select prof2,count(prof2) from programmer group by prof2;
11. select salary,count(name) from programmer group by salary;
12. select splace,count(name) from studies group by splace;
13. select course,count(name) from studies group by course;
14. select dev\_in,sum(dcost) as total\_cost from software group by dev\_in;
15. select dev\_in,sum(scost) from software group by dev\_in;
16. select name,sum(dcost) as total\_cost from software group by name;
17. select name,sum(scost\*sold) from software group by name;
18. select name,count(title) from software group by name;
19. select dev\_in,sum(scost) from software group by dev\_in;
20. select name,max(dcost) as costly\_package,min(dcost) as cheap\_package from software group by name;
21. select dev\_in,avg(dcost),avg(scost),avg(scost) from software group by dev\_in;
22. select splace,count(course),avg(ccost) from studies group by splace;
23. select splace,count(name) from studies group by splace;
24. select name,sex from programmer order by sex;
25. select name,title from software order by name;
26. select dev\_in,count(title) from software group by dev\_in;
27. select dev\_in,count(title) from software where dcost<1000 group by dev\_in;
28. select dev\_in,avg(dcost-scost) from software group by dev\_in;
29. select sum(scost),sum(dcost),sum(dcost-(scost\*sold)) from software group by name having sum(dcost)>sum(scost\*sold);
30. select max(salary),min(salary),avg(salary) from programmer where salary>2000;

# SECTION - 3

1. select \*from programmer where salary=(select max(salary) from programmer where prof1='C' or prof2='C');
2. select \*from programmer where salary=(select max(salary) from programmer where (prof1='cobol' or prof2='cobol') and sex='f');
3. select name,salary,prof1 from programmer where (salary,prof1) in (select max(salary),prof1 from programmer group by prof1);
4. select name,doj from programmer where floor((sysdate-doj)/365)=(select min(floor((sysdate-doj)/365)) from programmer);
5. select name,doj from programmer where floor((sysdate-doj)/365)=(select max(floor((sysdate-doj)/365)) from programmer);
6. select prof1 from programmer group by prof1 having prof1 not in(select prof2 from programmer) and count(prof1)=1 union

select prof2 from programmer group by prof2 having prof2 not in(select prof1 from programmer) and count(prof2)=1;

1. select name,floor((sysdate-doj)/365) as age,prof1,prof2 from programmer where floor((sysdate-doj)/365)=(select min(floor((sysdate-doj)/365)) from programmer where upper(prof1)='DBASE' or upper(prof2)='DBASE');
2. select splace from studies group by splace having count(splace)=(select max(count(splace)) from studies group by splace);
3. select name from programmer where prof1 in (select prof1 from

programmer group by prof1 having prof1 not in (select prof2 from programmer) and count(prof1)=1 union select prof2 from programmer group by prof2 having prof2 not in (select prof1 from programmer) and count(prof2)=1 union select name from programmer where prof2 in (select prof1 from programmer group by prof1 having prof1 not in (select prof2 from programmer) and count(prof1)=1 union select prof2 from programmer group by prof2 having prof2 not in

(select prof1 from programmer) and count(prof2))=1;

1. select \*from programmer where sex='f' and salary>3000 and (prof1 not in('C','C++','oracle','DBASE') or prof2 not in('C','C++','oracle','DBASE'));
2. select course from studies where ccost=(select max(ccost) from studies);
3. select course from studies group by course having count(course)=(select max(count(course)) from studies group by course);
4. select splace,course from studies where ccost<(select avg(ccost) from studies);
5. select splace from studies where ccost=(select max(ccost) from studies);
6. select course from studies group by course having count(name)<(select avg(count(name)) from studies group by course);
7. select splace from studies where course in(select course from studies group by course having count(name)<(select avg(count(name)) from studies group by course));
8. select course from studies where ccost <(select avg(ccost)+1000 from studies) and ccost >(select avg(ccost)-1000 from studies);
9. select title,dcost from software where dcost=(select max(dcost) from software);
10. select title,scost from software where scost=(select min(scost) from software);
11. select name,title,sold from software where sold=(select min(sold) from software);
12. select dev\_in,scost from software where scost=(select max(scost) from software);
13. select title,sold from software where (dcost-scost)=(select min(dcost-scost) from software);
14. select title from software where dcost=(select max(dcost) from software where dev\_in='pascal');
15. select dev\_in from software group by dev\_in having max(dev\_in)=(select max(dev\_in) from software);
16. select name from software group by name having max(name)=(select max(name) from software);
17. select name from software where dcost=(select max(dcost) from software);
18. select title from software where sold<(select avg(sold) from software);
19. select name from programmer where sex='f' and salary>(select max(salary) from programmer where sex='m');
20. select prof1 from programmer group by prof1 having prof1=(select max(prof1) from programmer);
21. select name from software where sold\*scost>dcost\*2;
22. select name,title from software where dcost in (select min(dcost) from software group by dev\_in);
23. select name from programmer where dob=(select max(dob) from programmer where to\_char(dob,'YYYY')='1965');
24. select dev\_in from software where sold in(select max(sold) from software group by dev\_in) union select dev\_in from software where sold in (select min(sold) from software group by dev\_in);
25. select name from programmer where sex='f' and doj=(select min(doj) from programmer where to\_char(doj,'YYYY')='1992');
26. select distinct to\_char(dob,'YYYY') from programmer where to\_char(dob,'YYYY')=(select min(to\_char(dob,'YYYY')) from programmer);
27. select distinct to\_char(doj,'MONTH') from programmer where to\_char(doj,'MONTH')=(select min(to\_char(doj,'MONTH')) from programmer);
28. select prof1 from programmer group by prof1 having count(prof1)=(select max(count(prof1)) from programmer group by prof1) or count(prof2)=(select max(count(prof2)) from programmer group by prof2) union select prof2 from

programmer group by prof2 having count(prof1)=(select max(count(prof1)) from programmer group by prof1) or count(prof2)=(select max(count(prof2)) from programmer group by prof2);

1. select name from programmer where sex='m' and salary<(select avg(salary) from programmer where sex='f');

# SECTION - 4

1. select name, salary from programmer where salary = any(select salary from programmer p group by salary having salary=p.salary and count(\*)>1);
2. select software.\* from programmer p,software s where p.name=s.name and salary>3000 and sex='m';
3. select s.\* from programmer p,software s where p.name=s.name and sex='f' and dev\_in='pascal';
4. select \* from programmer where to\_char(doj,'YYY')<'1990';
5. select s.\* from software s,studies st,programmer p where s.name=st.name and p.name=s.name and sex='f' and splace='pragathi';
6. select studies.splace, count(software.dev\_in), count(software.sold), sum(software.sold\*software.scost) from software,studies where software.name=studies.name group by studies.splace;
7. select software.\* from programmer,software,studies where programmer.name=software.name and software.name=studies.name and programmer.name=studies.name and sex='m' and dev\_in='dbase' and splace= (select splace from studies group by splace having count(splace) =(select max(count(splace))from studies group by splace));
8. select software.\* from programmer p,software s where s.name=p.name and sex='m' and to\_char(dob,'yy')<64 or sex='f' and To\_char(dob,'yy')>75);
9. select distinct x.\* from software x, programmer y where y.prof1 <> x.dev\_in and x.name = y.name;
10. select s.\* from programmer p,software s where s.name=p.name and (dev\_in <> prof1 and dev\_in <> prof2);
11. select s.\* from programmer p,software s,studies st where p.name=s.name and s.name=st.name and sex='m' and splace='sabhari';
12. select name from programmer where name not in(select name from software);
13. select sum(scost) from software s,studies st where s.name=st.name and lower(splace)='apple';
14. select a.name,a.doj from programmer a,programmer b where a.doj=b.doj and a.name

<> b.name;

1. select name from programmer where prof2 = any(select prof2 from programmer group by prof2 having count(\*) >1);
2. select studies.splace,sum(software.sold\*software.scost) from software,studies where studies.name=software.name group by studies.splace;
3. select splace from software st,studies s where s.name=st.name group by splace,dcost having max(dcost)=(select max(dcost) from software);
4. select prof1 from programmer where prof1 not in(select dev\_in from software) union select prof2 from programmer where prof2 not in(select dev\_in from software);
5. select p1.salary,s2.course from programmer p1,software s1,studies s2 where p1.name=s1.name and s1.name=s2.name and scost=(select max(scost) from software);
6. select p.name,ceil(ccost/salary) from programmer p,studies s where s.name=p.name;
7. select x.title from software x, programmer y where (months\_between(sysdate, y.doj)/12) > 3 and x.name=y.name;
8. select avg(salary) from programmer p,software s where p .name=s.name and sold\*scost>50000;
9. select count(s.name) from software s,studies st where s.name=st.name group by s.name,ccost having min(ccost)=(select min(ccost) from studies);
10. select count(\*) from programmer p,software s where s .name=p.name group by dev\_in having min(dcost)=(select min(dcost) from software);
11. select count(dev\_in) from programmer p,software s where s.name=p.name and sex='f' and salary>(select max(salary) from programmer p,software s where s.name=p.name and sex='m');
12. select count(x.name) from software x, programmer y, studies x where months\_between(sysdate, y.doj)/12) = (select max(months\_between(sysdate,y.doj)/12) from programmer y, studies = where x.splace = 'BDPS' and y.name = z.name) and x.name=y.name andz.splace='BDPS';
13. select name,splace from studies where name not in(select name from software);
14. select count(\*),sum(scost\*sold-dcost) "PROFIT" from software where dev\_in in (select prof1 from programmer) group by dev\_in;
15. select s.name,count(dev\_in) from programmer p1,software s where p1.name=s.name group by s.name;
16. select programmer.\* from programmer,studies where upper(splace)='SSIL' and programmer.name=software.name and programmer.name=studies.name and studies.splace='s.s.i.l.';