QUERY-IV

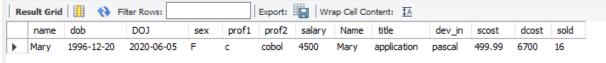
1) Display the details of THOSE WHO are drawing the same salary. select name, salary from programmer where salary = any(select salary from programmer p group by salary having salary=p.salary and count(*)>1);



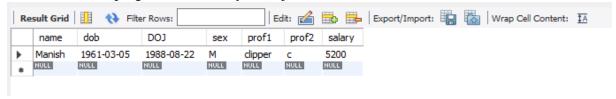
2) Display the details of software developed by male programmers earning MORE than 3000. select * from software,programmer where programmer.name=software.name and salary>3000 and sex='m';



3) Display details of packages developed in PASCAL by female programmers. select * from programmer p,software s where p.name=s.name and sex='f' and dev_in='pascal';



4) Display the details of the programmer WHO joined BEFORE 1990. select * from programmer where year(doj)<=1990;

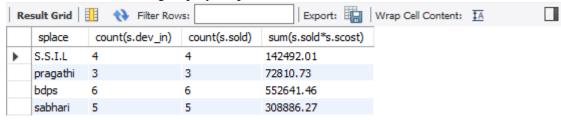


5) Display details of software developed in C by female programmers of PRAGATHI. select * from software s,studies st,programmer p where s.name=st.name and p.name=s.name and p.sex='f' and st.splace='pragathi';

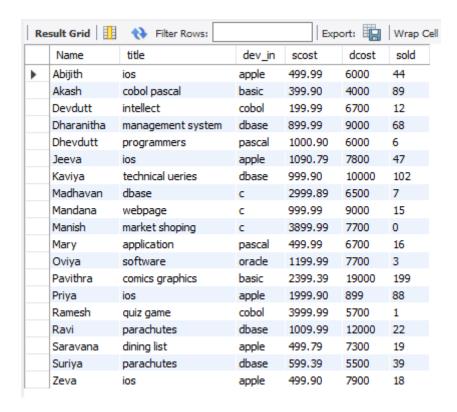


6) Display NUMBER of packages NUMBER of copies sold and sales value of EACH programmer Institute-wise.

select st.splace,count(s.dev_in),count(s.sold),sum(s.sold*s.scost) from SOFTWARE S,studies st where s.name = st.name group by st.splace;

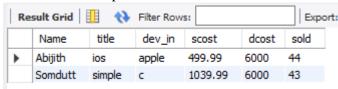


- 7) Display details of software developed in DBASE by male programmers WHO belong to the institute on which MOST NUMBER OF programmer's studies.
 - select * from programmer p,software s where s.name=p.name and sex='m' and year(dob)<1964 and sex='f' and year(dob)>75;
- 8) Display the details of the software that was developed by male programmers born BEFORE 1965 and female programmers born AFTER 1975. select s.* from PROGRAMMER P,software s where s.name=p.name and (sex='m' and year(dob)<1964) and (sex='f' and year(dob)>1975);
- 9) Display the details of the software that was developed in the language that is NOT the programmer's first proficiency.
 - select s.* from programmer p,software s where s.name=p.name and s.dev_in <> p.prof1;



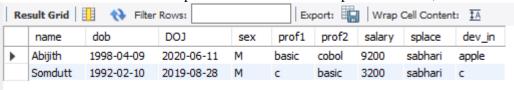
10) Display details of software that was developed in the language which is NEITHER first NOR second proficiency of the programmer.

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';

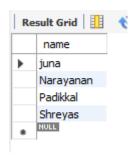


11) Display details of software developed by male students of SABHARI.

select p.*,st.splace,s.dev_in from software s, programmer p,studies st where s.name=p.name and s.name=st.name and st.name=p.name and sex='m' and splace='sabhari';



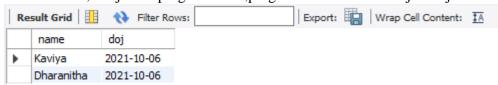
12) Display the names of programmers WHO HAVE NOT developed any package. select name from programmer where name not in(select name from software);



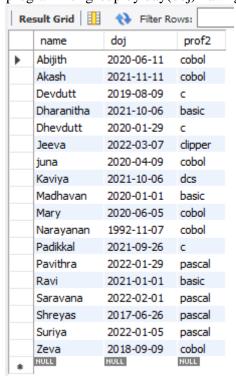
13) What is the total cost of the software developed by the programmers by APPLE? select sum(scost) from software s, studies st where s.name=st.name and dev in='apple';



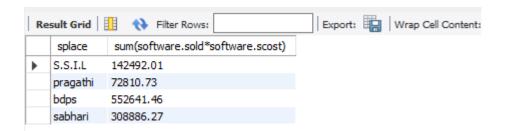
14) Who are the programmers WHO JOINED in the same day? select a.name,a.doj from programmer a,programmer b where a.doj=b.doj and a.name <> b.name;



15) Who are the programmers WHO HAVE THE SAME PROF2? select name,doj,prof2 from programmer where day(doj)=any(select day(doj) from programmer group by day(doj) having count(*)>1);



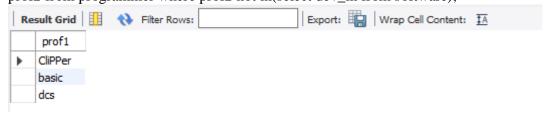
16) Display the total sales values of software, institutes-wise. select studies.splace,sum(software.sold*software.scost) from software,studies where studies.name=software.name group by studies.splace;



17) In which institutes did the person who developed the COSTLIEST package study? select splace from software st,studies s where s.name=st.name group by splace,dcost having max(dcost)=(select max(dcost) from software);

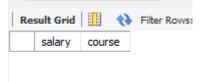


18) Which language listed in prof1 and prof2 HAS NOT BEEN used to develop any package? select prof1 from programmer where prof1 not in(select dev_in from software) union select prof2 from programmer where prof2 not in(select dev_in from software);



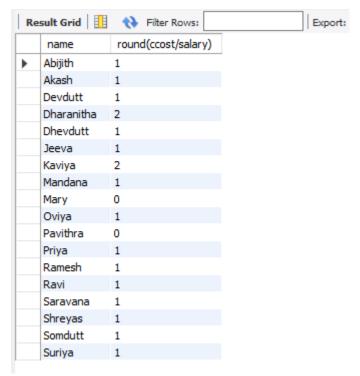
19) How much does the person WHO developed the HIGHEST selling package earn and WHAT course did he/she undergo?

select p.salary,st.course from programmer p,software s,studies st where p.name=s.name and s.name=st.name and st.name=p.name and scost=(select max(scost) from software);



20) How many months will it take for each programmer to recover the cost of the course underwent?

select p.name,round(ccost/salary) from programmer p,studies s where s.name=p,name;



21) Which is the COSTLIEST package developed by a person with under 3 year's expenences? select s.title from software s, programmer p where (datediff(curdate(),p.doj)/365) > 3 and p.name=s.name;



22) What is the AVERAGE salary for those WHOSE software's sales value is more than 50,000? select avg(salary) from programmer p,software s where p .name=s.name and sold*scost>50000;



23)How many packages were developed by the students WHO studied in the institute that Charge the LOWEST course fee?

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);



24) How many packages were developed by the person WHO developed the CHEAPEST package? Where did he\she study?

select count(*) from programmer p,software s where s .name=p.name group by dev_in having min(dcost)=(select min(dcost) from software);



25) How many packages were developed by female programmers earning MORE than the HIGHEST paid male programmer?

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');

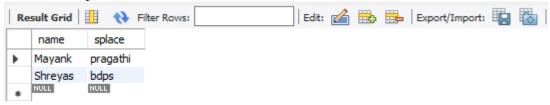


26) How many packages were developed by the MOST experienced programmers from BDPS? select count(*) from software s,programmer p where p.name=s.name group by doj having max(doj)=(select max(doj) from studies st,programmer p, software s where p.name=s.name and st.name=p.name and (splace='bdps'));



27) List the programmers (from software table) and institutes they studied, including those WHO DIDN'T develop any package.

select name, splace from studies where name not in(select name from software);



28) List each profit with the number of programmers having that prof1 and the number of packages developed in that prof1.

select dev_in,count(*),sum(scost*sold-dcost) "PROFIT" from software where dev_in in (select prof1 from programmer) group by dev_in;



29) List programmer names (from programmer table) and number of packages EACH developed. select s.name,count(dev_in) from programmer p1,software s where p1.name=s.name group by s.name;



30) List all the details of programmers who have done a course at S.S.I.L. select programmer.* from programmer,software,studies where splace='S.S.I.L' and programmer.name=software.name and programmer.name=studies.name and studies.splace='s.s.i.l';

