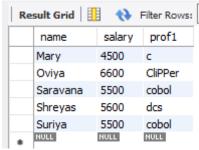
QUERIES - III

1) Who is the highest paid C programmer? select * from programmer where salary=(select max(salary) from programmer where prof1='c' or prof2='c');

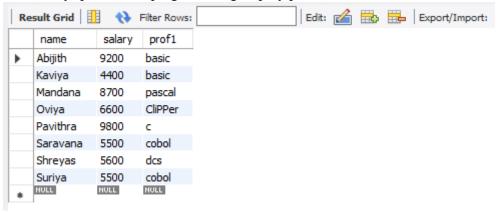


2) Who is the highest paid female cobol programmer?

select distinct name, salary, prof1 from programmer where (salary,prof1) in (select max(salary),prof1 from programmer group by prof1);

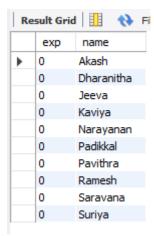


3) Display the name of the HIGEST paid programmer for EACH language (prof1) select distinct name, salary, prof1 from programmer where (salary,prof1) in (select max(salary),prof1 from programmer group by prof1);



4) Who is the LEAST experienced programmer?

 $select\ floor(datediff(current_date,doj)/365)\ exp,name\ from\ programmer\ where\\ floor(datediff(current_date,doj)/365) = (select\ min(floor(datediff(current_date,doj)/365))\ from\ programmer);$



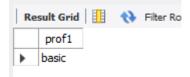
5) Who is the MOST experienced programmer?

select floor(datediff(current_date,doj)/365) exp,name,prof1,prof2 from programmer where floor(datediff(current_date,doj)/365) = (select max(floor(datediff(current_date,doj)/365)) from programmer);



6) Which language is known by ONLY ONE programmer?

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;



7) Who is the YONGEST programmer knowing DBASE?

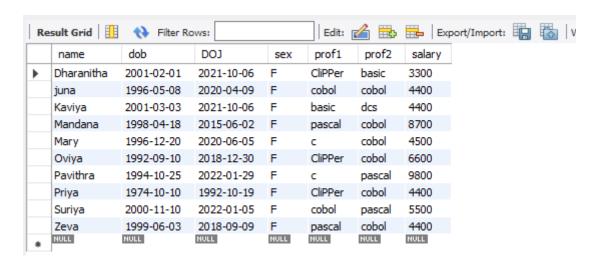
select floor(datediff(curdate(),dob)/365) age, name, prof1, prof2 from programmer where floor(datediff(curdate(),dob)/365) = (select min(floor(datediff(date-dob)/365)) from programmer where prof1 like 'dbase' or prof2 like 'dbase');

8) Which institute has MOST NUMBER of students? select max(splace) from studies;



- 9) Who is the above programmer? select name from studies where splace=max(splace);
- 10) Which female programmer earns MORE than 3000/- but DOES NOT know C, C++, Oracle or Dbase?

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select * from programmer where sex = 'f' and salary >3000 and (prof1 not in('c','c++','oracle','dbase'));
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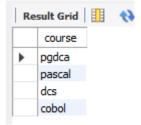


11) Which is the COSTLIEST course?

Select course from studies where ccost = (select MAX(ccost) from studies);



12) Which course has been done by MOST of the students? select course from studies group by course having count(course);



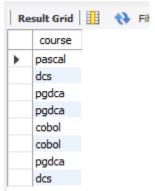
13) Display name of the institute and course Which has below AVERAGE course fee? select splace, course from studies where ccost < (select avg(ccost) from studies);



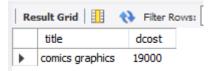
14) Which institute conducts COSTLIEST course? select splace from studies where ccost = (select max(ccost) from studies);



- 15) Which course has below AVERAGE number of students? select course from studies where count(name)<(select avg(count) from studies);
- 16) Which institute conducts the above course? 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));
- 17) Display names of the course WHOSE fees are within 1000(+ or -) of the AVERAGE fee. select course from studies where ccost < (select avg(ccost)+1000 from studies) and ccost > (select avg(ccost)-1000 from studies);

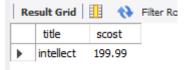


18) Which package has the HIGEST development cost? select title,dcost from software where dcost = (select max(dcost) from software);



19) Which package has the LOWEST selling cost?

select title, scost from software where scost = (select min(scost) from software);



20) Who developed the package, which has sold the LEAST number of copies? select name, sold from software where sold = (select min(sold) from software);



21) Which language was used to develop the package WHICH has the HIGEST sales amount? select dev_in,scost from software where scost = (select max(scost) from software);



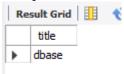
22) How many copies of the package that has the LEAST DIFFRENCE between development and selling cost were sold?

select sold,title from software where title = (select title from software where (dcost-scost)=(select min(dcost-scost) from software));

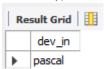


23) Which is the COSTLIEAST package developed in PASCAL?

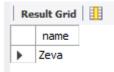
select title from software where dcost = (select max(dcost) from software where dev_in like 'pascal');



24) Which language was used to develop the MOST NUMBER of package? select dev_in from software group by dev_in having max(dev_in) = (select max(dev_in) from software);



25) Which programmer has developed the HIGEST NUMBER of package? select name from software group by name having max(name) = (select max(name) from software);



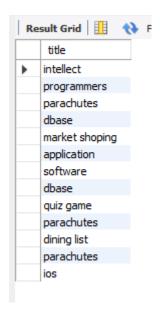
26) Who is the author of the COSTLIEST package?

select name,dcost from software where dcost = (select max(dcost) from software);

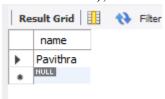


27) Display names of packages WHICH have been sold LESS THAN the AVERAGE number of copies?

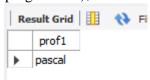
select title from software where sold < (select avg(sold) from software);



28) Who are the female programmers earning MORE than the HIGEST paid male programmers? select name from programmer where sex = 'f' and salary > (select(max(salary))) from programmer where sex = 'm');

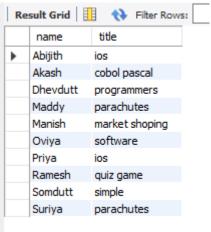


29) Which language has been stated as prof1 by MOST of the programmers? select prof1 from programmer group by prof1 having prof1 = (select max(prof1) from programmer);



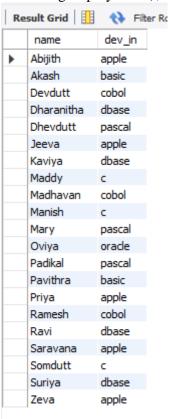
30) Who are the authors of packages, WHICH have recovered MORE THAN double the development cost?

select name, title from software where doost in (select min(doost) from software group by dev_in);

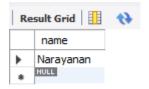


31) Display programmer names and CHEAPEST package developed by them in EACH language?

select name, dev_in from software where sold in (select max(sold) from software group by name) union select name, dev_in from software where sold in (select min(sold) from software group by name);

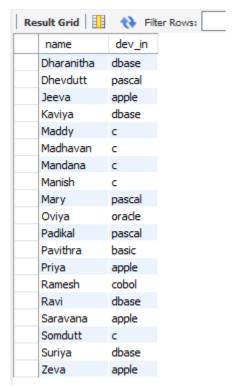


32) Who is the YOUNGEST male programmer born in 1965? select name from programmer where dob=(select (max(dob)) from programmer where year(dob) ='1965');



33) Display language used by EACH programmer to develop the HIGEST selling and LOWEST selling package.

select name, dev_in from software where sold in (select max(sold) from software group by name) union select name, dev_in from software where sold in (select min(sold) from software group by name);



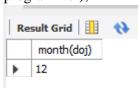
34) Who is the OLDEST female programmer WHO joined in 1992 select name from programmer where doj=(select (min(doj)) from programmer where year(doj)='1992' and sex='F');



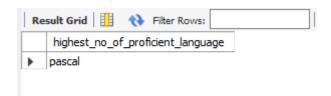
35) In WHICH year where the MOST NUMBER of programmer born? select distinct year(dob) from programmer where year(doj) = (select min(year(doj)) from programmer);



36) In WHICH month did MOST NUMBRER of programmer join? select distinct month(doj) from programmer where month(doj) = (select max(month(doj)) from programmer);



37) In WHICH language are MOST of the programmer's proficient? select max(prof1)as highest_no_of_proficient_language from programmer;



38) Who are the male programmers earning BELOW the AVERAGE salary of female programmers?

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

