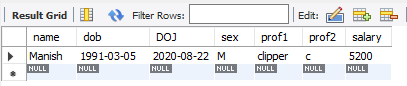
# QUERIES - III

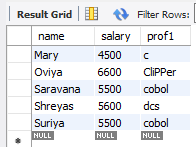
1. Who is the highest paid C programmer?

select \* from programmer where salary=(select max(salary) from programmer where prof1='c' or prof2='c');



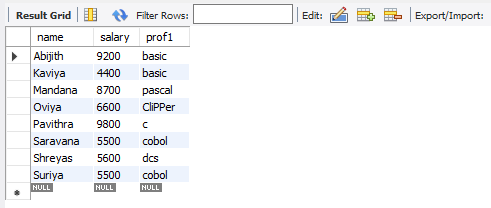
1. Who is the highest paid female cobol programmer?

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



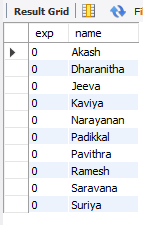
1. Display the name of the HIGEST paid programmer for EACH language (prof1)

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



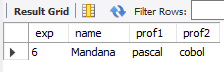
4) Who is the LEAST experienced programmer?

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);



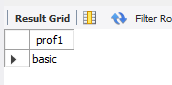
1. Who is the MOST experienced programmer?

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);



1. 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;

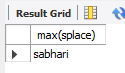


1. Who is the YONGEST programmer knowing DBASE?

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');

1. Which institute has MOST NUMBER of students?

select max(splace) from studies;

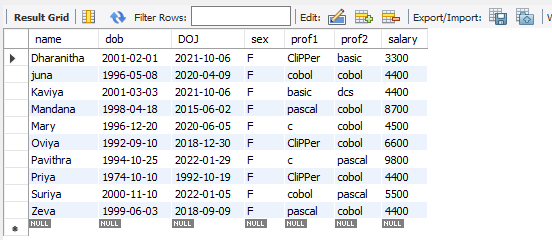


1. Who is the above programmer?

select name from studies where splace=max(splace);

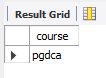
1. Which female programmer earns MORE than 3000/- but DOES NOT know C, C++, Oracle or Dbase?

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'));



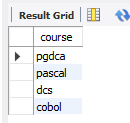
1. Which is the COSTLIEST course?

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



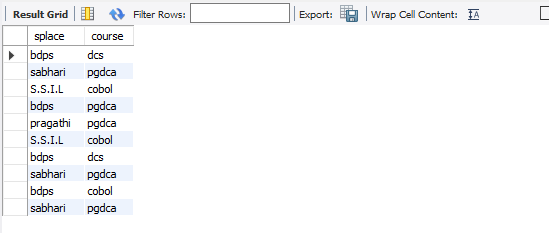
1. Which course has been done by MOST of the students?

select course from studies group by course having count(course);



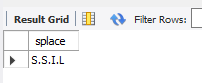
1. Display name of the institute and course Which has below AVERAGE course fee?

select splace,course from studies where ccost < (select avg(ccost) from studies);



1. Which institute conducts COSTLIEST course?

select splace from studies where ccost = (select max(ccost) from studies);



1. Which course has below AVERAGE number of students?

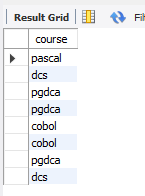
select course from studies where count(name)<(select avg(count) from studies);

1. 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));

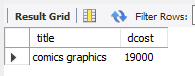
1. Display names of the course WHOSE fees are within 1000(+ or -) of the AVERAGE fee.

select course from studies where ccost < (select avg(ccost)+1000 from studies) and ccost > (select avg(ccost)-1000 from studies);



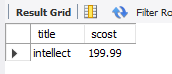
1. Which package has the HIGEST development cost?

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



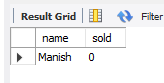
1. Which package has the LOWEST selling cost?

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



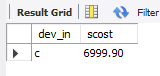
1. Who developed the package, which has sold the LEAST number of copies?

select name,sold from software where sold = (select min(sold) from software);



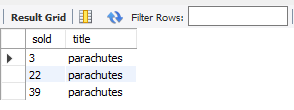
1. Which language was used to develop the package WHICH has the HIGEST sales amount?

select dev\_in,scost from software where scost = (select max(scost) from software);



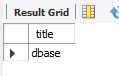
1. How many copies of the package that has the LEAST DIFFRENCE between development and selling cost were sold?

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



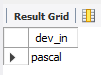
1. Which is the COSTLIEAST package developed in PASCAL?

select title from software where dcost = (select max(dcost) from software where dev\_in like 'pascal');



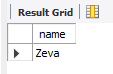
1. Which language was used to develop the MOST NUMBER of package?

select dev\_in from software group by dev\_in having max(dev\_in) = (select max(dev\_in) from software);



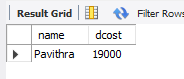
1. Which programmer has developed the HIGEST NUMBER of package?

select name from software group by name having max(name) = (select max(name) from software);



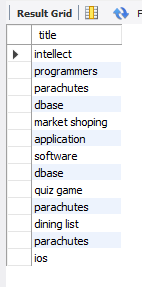
1. Who is the author of the COSTLIEST package?

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



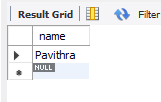
1. Display names of packages WHICH have been sold LESS THAN the AVERAGE number of copies?

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



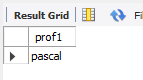
1. Who are the female programmers earning MORE than the HIGEST paid male programmers?

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



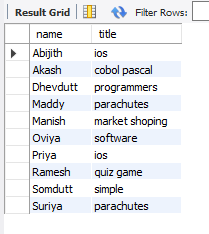
1. Which language has been stated as prof1 by MOST of the programmers?

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



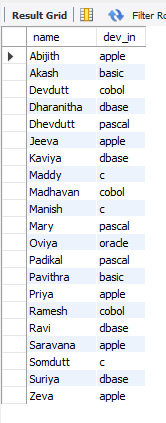
1. Who are the authors of packages, WHICH have recovered MORE THAN double the development cost?

select name,title from software where dcost in (select min(dcost) from software group by dev\_in);



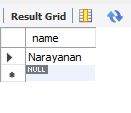
1. Display programmer names and CHEAPEST package developed by them in EACH language?

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);



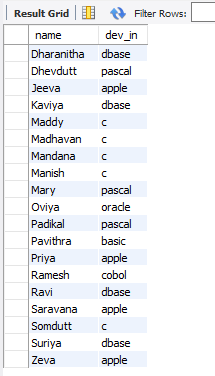
1. Who is the YOUNGEST male programmer born in 1965?

select name from programmer where dob=(select (max(dob)) from programmer where year(dob) ='1965');



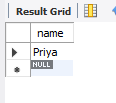
1. Display language used by EACH programmer to develop the HIGEST selling and LOWEST selling package.

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);



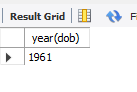
1. Who is the OLDEST female programmer WHO joined in 1992

select name from programmer where doj=(select (min(doj)) from programmer where year(doj)='1992' and sex='F');



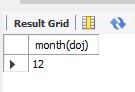
1. In WHICH year where the MOST NUMBER of programmer born?

select distinct year(dob) from programmer where year(doj) = (select min(year(doj)) from programmer);



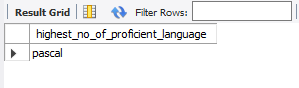
1. In WHICH month did MOST NUMBRER of programmer join?

select distinct month(doj) from programmer where month(doj) = (select max(month(doj)) from programmer);



1. In WHICH language are MOST of the programmer's proficient?

select max(prof1)as highest\_no\_of\_proficient\_language from programmer;



1. 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 sex = 'f');

