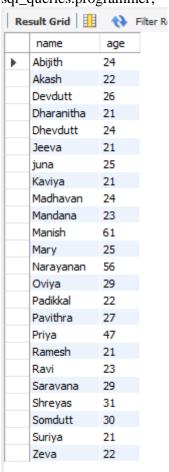
Assignment QUERIES - I

1) Find out the SELLING COST AVERAGE for the packages developed in PASCAL? select avg(scost) from sql_queries.software where dev_in like 'pascal';



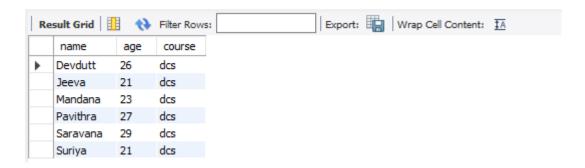
2) Display the names and ages of all programmers.

select name as name,floor(datediff(current_date,dob)/365) as age from sql_queries.programmer;

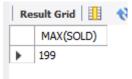


3) Display the names and ages of all the programmers who have undergone training in DCS course.

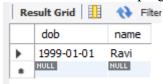
select p.name,floor(datediff(current_timestamp,dob)/365)as age,course from programmer p,studies st where p.name=st.name and course like 'dcs';



4) What is the highest numbers of copies sold by a package? select max(sold) from sql_queries.software;

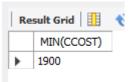


5) Display the names and date of birth of all the programmer born in JANUARY. select dob,name from programmer where month(dob)=1;



6) Display lowest course fee.

select min(ccost) from sql_queries.studies;

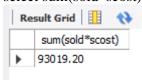


7) How many programmer has done PGDCA course.

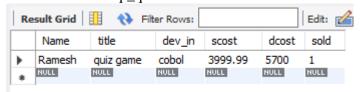
select name from sql_queries.studies where course like "pgdca";



8) How much revenue has been earned through sales of packages in C? select sum(sold*scost) from sql_queries.software where dev_in like 'c';

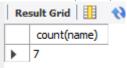


9) Display the details of software developed by Ramesh? select * from sql_queries.software where name='ramesh';



10) How many programmers studied at SABHARI?

select count(name) from sql_queries.studies where splace='sabhari';



11) Display the details of PACKAGES whose sales crossed the 20000 mark.

select * from sql_queries.software where sold*scost>20000;

Re	esult Grid	Name of the Filter Rows:		Edit	: 🚄 🗄	6
	Name	title	dev_in	scost	dcost	sold
•	Abijith	parachutes	apple	499.99	6000	44
	Akash	cobol pascal	basic	399.90	4000	89
	Dharanitha	management system	dbase	899.99	9000	68
	Jeeva	ios	apple	1090.79	7800	47
	Kaviya	technical ueries	dbase	999.90	10000	102
	Maddy	parachutes	c	6999.90	9000	3
	Madhavan	dbase	cobol	2999.89	6500	7
	Pavithra	comics graphics	basic	2399.39	19000	199
	Priya	ios	apple	1999.90	1200	88
	Ravi	parachutes	dbase	1009.99	12000	22
	Somdutt	simple	c	1039.99	6000	43
	Suriya	parachutes	dbase	599.39	5500	39
	NULL	NULL	NULL	NULL	NULL	NULL

12) Find out the number of copies which should be sold in order to recover the development cost of each package.

select *,round(dcost/scost) from sql_queries.software where scost*sold<dcost;

Re	Result Grid					Export: Wrap Cell Content: ‡A			
	Name	title	dev_in	scost	dcost	sold	ROUND(DCOST/SCOST)		
•	Devdutt	intellect	cobol	199.99	6700	12	34		
	Manish	market shoping	С	3899.99	7700	0	2		
	Oviya	software	orade	1199.99	7700	3	6		
	Ramesh	quiz game	cobol	3999.99	5700	1	1		

13) What is the price of the costliest software developed in BASIC?

select max(scost) as maximum from sql_queries.software where dev_in like 'basic';

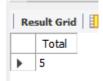


14) Display the details of packages for which development cost has been recovered.

select * from sql_queries.software where (sold*scost)>dcost;

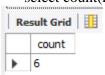
	Name	title	dev_in	scost	dcost	sold
•	Abijith	ios	apple	499.99	6000	44
	Akash	cobol pascal	basic	399.90	4000	89
	Dharanitha	management system	dbase	899.99	9000	68
	Dhevdutt	programmers	pascal	1000.90	6000	6
	Jeeva	ios	apple	1090.79	7800	47
	Kaviya	technical ueries	dbase	999.90	10000	102
	Maddy	parachutes	C	6999.90	999	3
	Madhavan	dbase	C	2999.89	6500	7
	Mandana	webpage	C	999.99	9000	15
	Mary	application	pascal	499.99	6700	16
	Padikal	dbase	pascal	499.89	9500	25
	Pavithra	comics graphics	basic	2399.39	19000	199
	Priya	ios	apple	1999.90	899	88
	Ravi	parachutes	dbase	1009.99	12000	22
	Saravana	dining list	apple	499.79	7300	19
	Somdutt	simple	C	1039.99	6000	43
	Suriya	parachutes	dbase	599.39	5500	39
	Zeva	ios	apple	499.90	7900	18

15) How many packages were developed in dbase? select count(title) as total from sql_queries.software where dev_in='dbase';

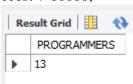


16) How many programmers studies at Pragathi?

select count(name) as count from sql_queries.studies where splace='pragathi';

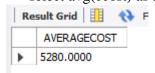


17) How many programmers paid 5000 to 10000 for their course? select count(name) as programmers from sql_queries.studies where ccost>=5000 and ccost<=10000;



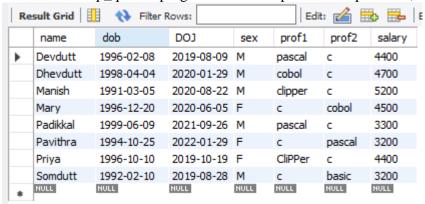
18) What is the average course fee?

select avg(ccost) as averagecost from sql_queries.studies;



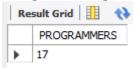
19) Display the details of programmers knowing c?

select * from sql_queries.programmer where prof1='c' or prof2='c';



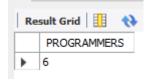
20) How many programmers know either Cobol or Pascal?

select count(name) as programmers from sql_queries.programmer where prof1 in ('cobol' ,'pascal') or prof2 in ('cobol' ,'pascal');



21) How many programmers don't know Pascal & C?

select count(name) as programmers from sql_queries.programmer where prof1 not in ('c','pascal') and prof2 not in ('c','pascal');



22) How old is the oldest male programmers?

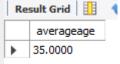
select max(floor(datediff(current_date,dob)/365)) age from sql_queries.programmer where sex='m';



23) What is the average age of female programmers?

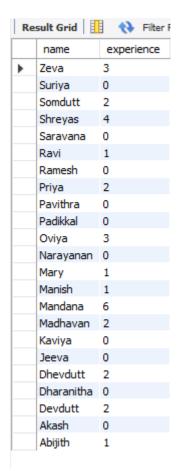
select avg(floor(datediff(current_date,dob)/365)) as averageage from queries programmer where sex='F':



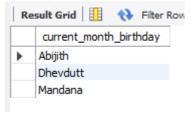


24) Calculate the experience in years for each programmers and display along with the names in descending order?

select name, floor(datediff(current_date,doj)/365) as experience from sql_queries.programmer order by name desc ;



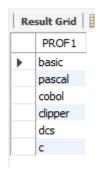
25) Who are the programmers who celebrate their birthday during the current month? select name as current_month_birthday from programmer where month(dob)=month(current_date());



26) How many female programmers are there? select count(name) female_programmer from sql_queries.programmer where sex='f';

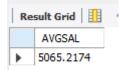


27) What are the languages known by the male programmers? select distinct prof1 from sql_queries.programmer where sex='m' union select distinct prof2 from sql_queries.programmer where sex='m';



28) What is the Average salary?

select avg(salary) as avgsal from sql_queries.programmer;

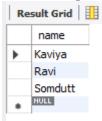


29) How many people draw 2000 to 4000?

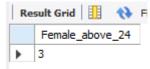
select name from programmer where salary between 2000 and 4000;



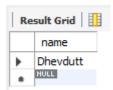
30) Display the details of those who don't know Clipper, Cobol or Pascal? select name from sql_queries.programmer where prof1 not in ('clipper','cobol','pascal') and prof2 not in ('clipper','cobol','pascal');



31) How many Female programmers knowing C are above 24 years of age? select count(name) from sql_queries.programmer where sex='f' and (prof1='c' or prof2='c') and (floor(datediff(current_date,dob)/365)) > 24;

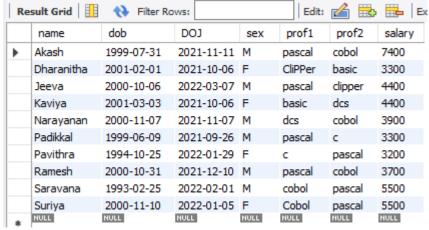


32) Who are the programmers who will be celebrating their Birthday within a week? select name from programmer where week(dob) = week(curdate());

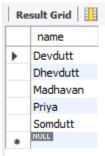


33 Display the details of those with less than a year's experience?

select * from sql_queries.programmer where floor(datediff(current_date,doj)/365)<1;



34 Display the details of those who will be completing 2 years of service this year? select name from sql_queries.programmer where floor(datediff(current_date,doj)/365)=2;

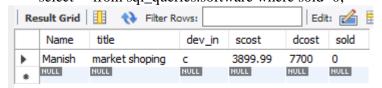


35 Calculate the amount to be recovered for those packages whose development cost has not been recovered?

select (dcost-(scost*sold)), title from sql_queries.software where (scost*sold)<dcost;



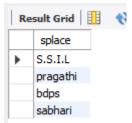
36) List the packages which have not been sold so far? select * from sql_queries.software where sold=0;



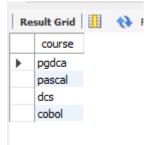
37) Find out the cost of the software developed by Mary? select title, scost from sql_queries.software where name='mary';



38) Display the institute's names from the studies table without duplicates? select distinct splace from sql_queries.studies;



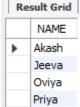
39) How many different courses are mentioned in the studies table? select distinct course from sql_queries.studies;



40) Display the names of the programmers whose names contain 2 occurrences of the letter A? select name from sql_queries.programmer where name like '% A% A%';

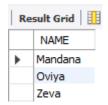


41) Display the names of programmers whose names contain unto 5 characters?



SELECT NAME FROM sql_queries.PROGRAMMER WHERE LENGTH(NAME)=5;

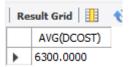
42) How many female programmers knowing COBOL have more than 2 years experience? SELECT NAME FROM sql_queries.PROGRAMMER WHERE sex='F' and (prof1='cobol'or prof2='cobol') and floor(datediff(current_date,doj)/365)>2;



43) What is the length of the shortest name in the programmer table? select min(length(name)) as shortestname from sql_queries.programmer;



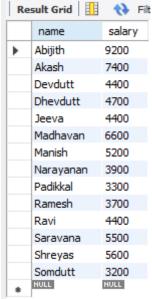
44) What is the average development cost of a package developed in COBOL? select avg(dcost) from sql_queries.software where dev_in='cobol';



- 45) Display the name, sex, dob (DD/MM/YY format), doj for all the programmers without using conversion function?
- 46) Who are the programmers who were born on the last day of the month? select name from programmer where last_day(dob) = dob;

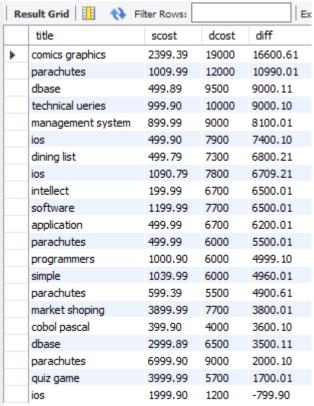


47) What is the amount paid in salaries of the male programmers who do not know Cobol? select name, salary from programmer where sex='m' and (prof1!='cobol' or prof2!='cobol');

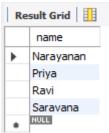


48) Display the title, scost, dcost and difference between scost and dcost in descending order of difference?

select title, scost, dcost, dcost-scost as diff from software order by diff desc;



49) Display the name, dob, doj of those month of birth and month of joining are same? select name from programmer where month(dob)=month(doj);



50) Display the names of the packages whose names contain more than 1 word? select title from software where title like '% %';

