SOLUTIONS:

1) create table student (STU\_ID number(4) primary key,STU\_NAME varchar2(30) not null,SEX character(6) not null,Tot\_MARKS number(6,2) not null);

insert all

into student (STU\_ID,STU\_NAME,SEX,Tot\_MARKS) values(10,'Anu','Female',553)

into student (STU\_ID,STU\_NAME,SEX,Tot\_MARKS) values(20,'Anbu','Male',345)

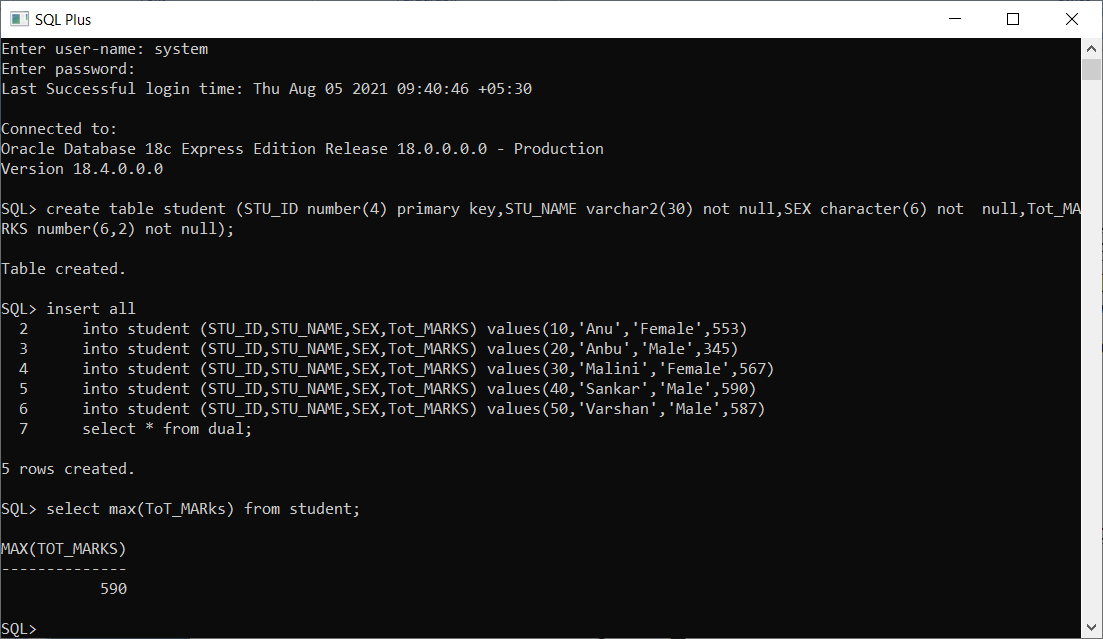
into student (STU\_ID,STU\_NAME,SEX,Tot\_MARKS) values(30,'Malini','Female',567)

into student (STU\_ID,STU\_NAME,SEX,Tot\_MARKS) values(40,'Sankar','Male',590)

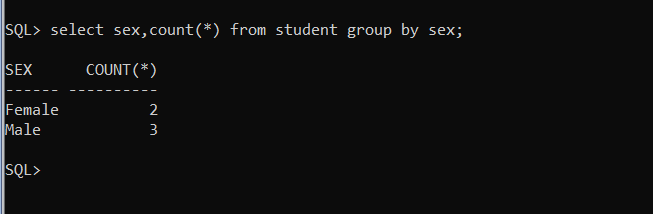
into student (STU\_ID,STU\_NAME,SEX,Tot\_MARKS) values(50,'Varshan','Male',587)

select \* from dual;

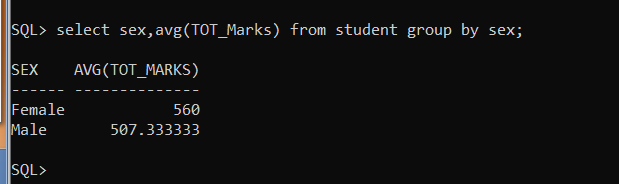
1. select max(ToT\_MARks) from student;



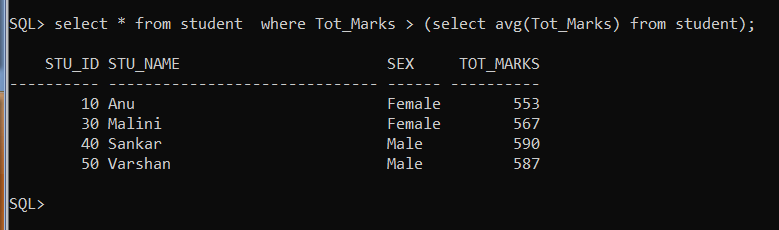
1. select sex,count(\*) from student group by sex;



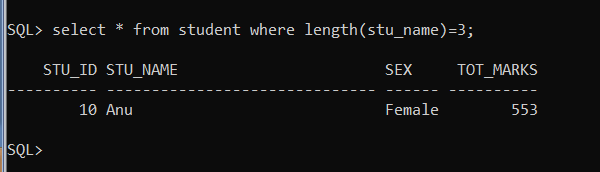
c) select sex,avg(TOT\_Marks) from student group by sex;



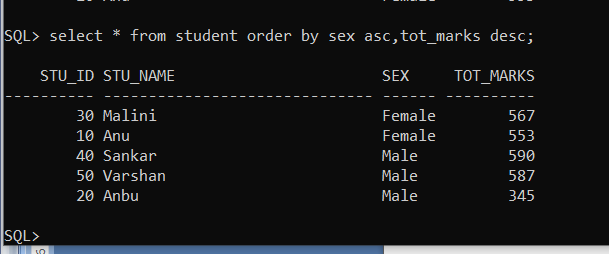
d) select \* from student where Tot\_Marks > (select avg(Tot\_Marks) from student);



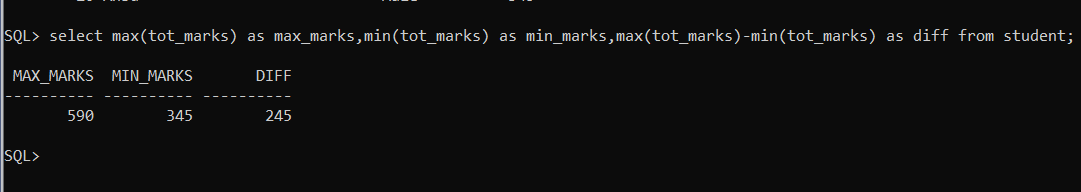
2) a) select \* from student where length(stu\_name)=3;



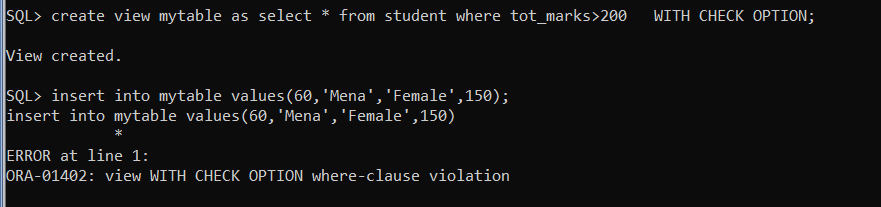
b)select \* from student order by sex asc,tot\_marks desc;



3) select max(tot\_marks) as max\_marks,min(tot\_marks) as min\_marks,max(tot\_marks)-min(tot\_marks) as diff from student;



4) create view mytable as select \* from student where tot\_marks>200 WITH CHECK OPTION;



5) insert all

into student (STU\_ID,STU\_NAME,SEX,Tot\_MARKS) values(60,'Alla','Female',552)

into student (STU\_ID,STU\_NAME,SEX,Tot\_MARKS) values(70,'Farah','Male',340)

into student (STU\_ID,STU\_NAME,SEX,Tot\_MARKS) values(80,'Madana','Female',560)

select \* from dual;

savepoint s1;

delete from student where Stu\_id=80 ;

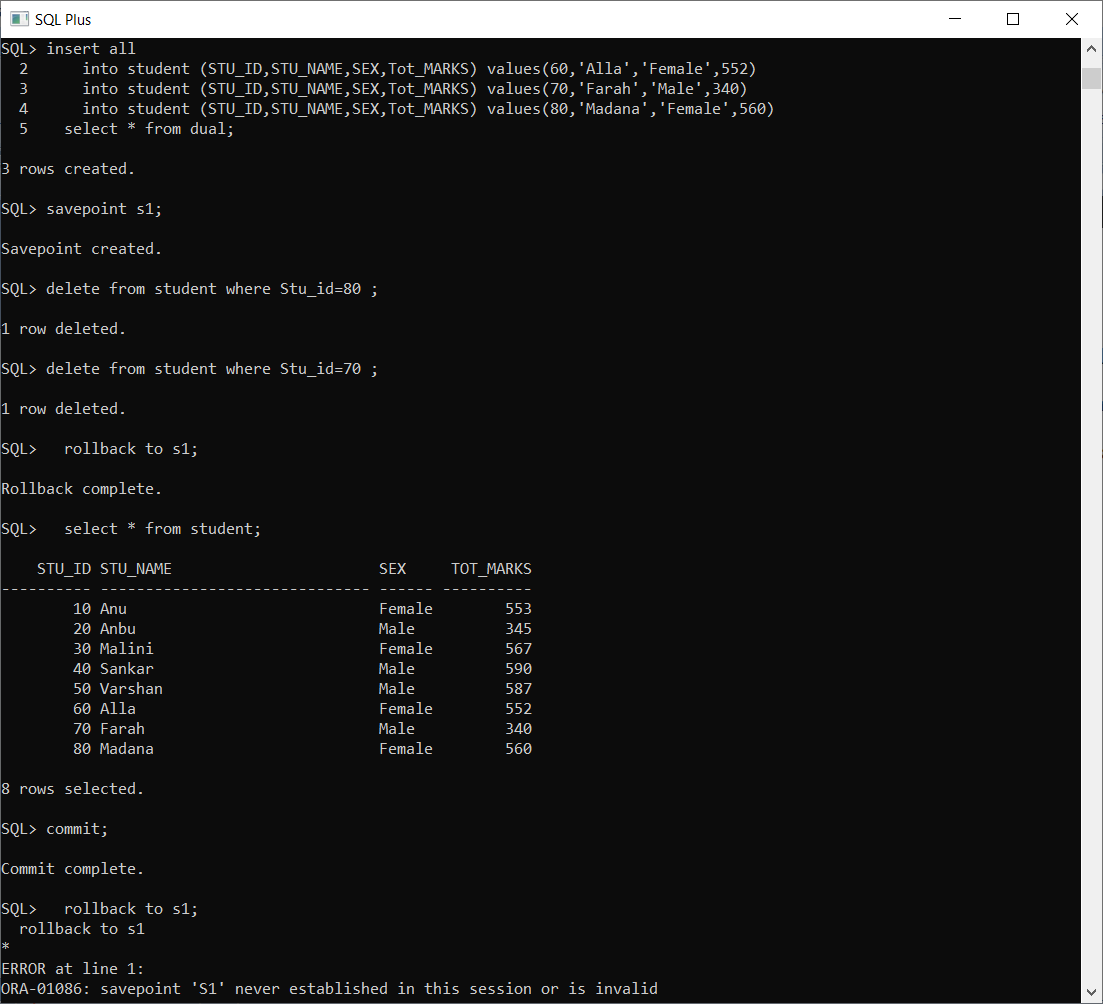
delete from student where Stu\_id=70 ;

rollback to s1;

select \* from student;

commit;

rollback to s1;



6) DECLARE

a NUMBER:= 5;

b NUMBER:=6;

BEGIN

CASE a

when 5 then dbms\_output.put\_line(' Square of (5): ' || a\*a);

END CASE;

CASE b

when 6 then dbms\_output.put\_line(' cube of (6): ' || b\*b\*b);

END CASE;

END;

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