**Practical 10**

create table marks(roll\_no int,name varchar(20),total\_marks varchar(20));

create table result(roll\_no int,name varchar(20),class varchar(20));

insert into marks values('1','Abhi','1400');

insert into marks values('2','piyush','980');

insert into marks values('3','hitesh','880');

insert into marks values('4','ashley','820');

insert into marks values('5','partik','740');

insert into marks values('6','patil','640');

delimiter //

create procedure proc\_result(in marks int,out class char(20))

begin

if(marks<1500&&marks>990)

then

set class='Distincton';

elseif(marks<989&&marks>890)

then

set class='First Class';

elseif(marks<889&&marks>825)

then

set class='Higher Second Class';

elseif(marks<824&&marks>750)

then

set class='Second Class';

elseif(marks<749&&marks>650)

then

set class='Passed';

else

set class='Fail';

end if;

end;

//

delimiter $$

create function final\_result(R1 int) returns int

DETERMINISTIC

begin

declare fmarks integer;

declare grade varchar(20);

declare stud\_name varchar(20);

select marks.total\_marks,marks.name into fmarks,stud\_name from marks where marks.roll\_no=R1;

call proc\_result(fmarks,@grade);

insert into result values(R1,stud\_name,@grade);

return R1;

end $$

DELIMITER ;

select final\_result(2);

select final\_result(3);

select final\_result(4);

select \*from result;

select \*from marks;

OR

create database Score;

use Score;

create table stud\_marks(name varchar(20),total\_marks int(5));

create table Result(roll\_no int(3) primary key,name varchar(20),class varchar(20));

insert into stud\_marks values('Suresh',995);

insert into stud\_marks values('Harish',865);

insert into stud\_marks values('Samart',920);

insert into stud\_marks values('Mohan',1000);

insert into stud\_marks values('Soham',745);

select \* from stud\_marks;

insert into Result(roll\_no,Name) values(1,'Suresh');

insert into Result(roll\_no,Name) values(2,'Harish');

insert into Result(roll\_no,Name) values(3,'Samart');

insert into Result(roll\_no,Name) values(4,'Mohan');

insert into Result(roll\_no,Name) values(5,'Soham');

select \* from Result;

delimiter //

create procedure proc\_Grade(in r int(2),out grade char(25))

begin

declare m int(4);

select total\_marks into m from stud\_marks where name=(select name from Result where roll\_no=r);

if m>=990 and m<=1500 then

select 'Distinction' into grade;

update Result set Class='Distinction' where Roll\_no=r;

elseif m>=900 and m<=989 then

select 'FirstClass' into grade;

update Result set Class='FirstClass' where Roll\_no=r;

elseif m>=825 and m<=899 then

select 'SecondClass' into grade;

update Result set Class='SecondClass' where Roll\_no=r;

else

select '--' into grade;

update Result set Class='--' where Roll\_no=r;

end if;

end //

delimiter //

create function func\_Grade(r int(2))

returns varchar(25)

deterministic

begin

declare grade varchar(25);

call proc\_Grade(r,grade);

return grade;

end //

select func\_Grade(1); //

select func\_Grade(2); //

select func\_Grade(3); //

select func\_Grade(4); //

select func\_Grade(5); //

select \* from Result; //