**6th**

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 AND marks > 990) THEN SET class = 'Distinction'; ELSEIF (marks < 989 AND marks > 890) THEN SET class = 'First Class'; ELSEIF (marks < 889 AND marks > 825) THEN SET class = 'Higher Second Class'; ELSEIF (marks < 824 AND marks > 750) THEN SET class = 'Second Class'; ELSEIF (marks < 749 AND marks > 650) THEN SET class = 'Passed'; ELSE SET class = 'Fail'; END IF;END;//DELIMITER ;

DELIMITER //

CREATE FUNCTION final\_result3(R1 INT)

RETURNS INT

READS SQL DATA

BEGIN

DECLARE fmarks INT;

DECLARE class VARCHAR(20);

DECLARE stud\_name VARCHAR(20);

SELECT marks.total\_marks, marks.name

INTO fmarks, stud\_name

FROM marks

WHERE marks.roll\_no = R1;

IF (fmarks < 1500 AND fmarks > 990) THEN

SET class = 'Distinction';

ELSEIF (fmarks < 989 AND fmarks > 890) THEN

SET class = 'First Class';

ELSEIF (fmarks < 889 AND fmarks > 825) THEN

SET class = 'Higher Second Class';

ELSEIF (fmarks < 824 AND fmarks > 750) THEN

SET class = 'Second Class';

ELSEIF (fmarks < 749 AND fmarks > 650) THEN

SET class = 'Passed';

ELSE

SET class = 'Fail';

END IF;

INSERT INTO result VALUES (R1, stud\_name, class);

RETURN R1;

END;

//

DELIMITER ;

SELECT final\_result3(2);

SELECT final\_result3(3);

SELECT final\_result3(4);

SELECT final\_result3(5);

SELECT \* FROM result;

**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';**

**end if;**

**if(marks<989&&marks>890)**

**then**

**set class='First Class';**

**end if;**

**if(marks<889&&marks>825)**

**then**

**set class='Higher Second Class';**

**end if;**

**if(marks<824&&marks>750)**

**then**

**set class='Second Class';**

**end if;**

**if(marks<749&&marks>650)**

**then**

**set class='Passed';**

**end if;**

**if(marks<649)**

**then**

**set class='Fail';**

**end if;**

**end;**

**//**

**create function final\_result3(R1 int)**

**returns int**

**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\_grade(fmarks,@grade);**

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

**return R1;**

**end;**

**//**

**select final\_result3(2);**

**select final\_result3(3);//**

**select final\_result3(4);**//

**select final\_result3(5);**//

**select \* from result;**