	Name- Rupesh Dharme
	Rollno- 31124
	Assignment-05
1)	Title- write PL/sal stored procedure and
	-function
2)	Problem statements autome:
	a) understand If then and for loop
	b) Understand PL/SQL Stored procedure
	c) Write PL/sql code work using stored-
	- brocedus
3)	Problem statement:
	white a stared procedure for categorization
40.	of students according to the marks they
	obtained in examination.
4)	Theory: procedure-
. /	a) It is simple program that performs specific
	task/action
	6) Procedure has two parts
	-specification parameters Dame
	- Body : écode of procedure
	c) coreating procedure
	CREATE (OR REPLACE) procedure prochame
	[(angument (IN/OUT/INOUT) Type)
	(argument -2 [IN/OUT/INOUT) Type)
	TS/AS
	procedure Body
	d) Deleting aprocedure
	Drop procedure proc-name;
	Teacher's Signature



	PL/3Q.L:
	- It is procedural language.
	- It has high performance:
	-It has transaction processing language
	- It has better performand
	-It can handle erron
	Scalability
1	Jeans Dining
	Adamatana af ann
-	Advantages of subprograms
	-reusability
	-extensibility
	- maintainability
10-1	Cornelusion-
3	We have successfully implemented stored
3	procedure in PL/Sal Using Mysal
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3	
	in the second se
	Teacher's Signature
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MvSQL 8.0 Command Line Client - Unicode
mysql> drop database assignment05;
Query OK, 2 rows affected (0.13 sec)
mysql>
mysql> create database assignment05;
Query OK, 1 row affected (0.01 sec)
mysql>
mysql> use assignment05;
Database changed
mysql>
mysql> -- Tables: Stud_Marks(name, total_marks)                              Result(Roll,Name, Class)
mysql> create table students(
        roll_no int not null auto_increment,
    -> name varchar(20) not null,
-> marks int not null.
            marks int not null,
            primary key(roll_no)
    ->
Query OK, 0 rows affected (0.03 sec)
mysql>
mysql> create table results(
         roll_no int not null,
       name varchar(20) not many class varchar(20), class varchar(20), primary key(roll_no), foreign key(roll_no) references students(roll_no) on delete cascade
            name varchar(20) not null,
    ->
    ->
    ->
    -> );
Query OK, O rows affected (0.02 sec)
mysql>
mysql> insert into students
    -> values (31124, 'Rupesh', 1486);
```

```
MvSQL 8.0 Command Line Client - Unicode
mysql>
mysql> insert into students
    -> values (31124, 'Rupesh', 1486);
Query OK, 1 row affected (0.01 sec)
mysq1>
mysql> insert into students(name, marks)
    -> values ('Akash', 950),
               ('Rajan', 850),
('Nikhil', 1490),
               ('Sahil', 880);
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0
mysql>
mysql> select * from students;
  roll_no | name
                      marks
    31124
                      1486
           | Rupesh |
    31125
            Akash
                         950
    31126
            Rajan
                         850
            Nikhil
    31127
                       1490
    31128
            Sahil
                         880
 rows in set (0.00 sec)
mysql>
mysql> select * from results;
Empty set (0.01 sec)
Empty set (0.01 sec)
```

```
MvSQL 8.0 Command Line Client - Unicode
mysql>
mysql> delimiter //
mysql>
mysql> -- Write a Stored Procedure namely proc_Grade for the categorization of student
mysql> create procedure proc_grade(rno int)
    -> begin
    -> declare n varchar(20);
    -> declare m int:
   -> select name, marks into n, m from students where roll_no = rno;
    -> -- marks<=1500 and marks>=990 -> distinction category
    -> if (m>=990 and m<=1500) then
          insert into results values(rno, n, 'distinction');
    -> -- if marks scored are between 989 and 900 category is first class.
    -> elseif (m>=899 and m<990) then
    -> insert into results values(rno, n, 'first class');
    -> -- if marks899and 825 category is Higher Second Class.
    -> elseif (m>=825 and m<899) then
    -> insert into results values(rno, n, 'higher second class');
    -> end if:
    -> end;
    -> //
Query OK, O rows affected (0.02 sec)
mysql>
mysql> delimiter ;
mysql>
mysql>
mysql> call proc_grade(31124);
Query OK, 1 row affected (0.02 sec)
mysql> select * from students;
```

```
MvSQL 8.0 Command Line Client - Unicode
mysql> select * from students;
  roll_no |
                        marks
             name
    31124
             Rupesh
                         1486
    31125
             Akash
                          950
    31126
             Rajan
                          850
             Nikhil
    31127
                         1490
             Sahil
    31128
                          880
  rows in set (0.00 sec)
mysql> select * from results;
  roll_no | name
                       class
    31124 | Rupesh | distinction
1 row in set (0.00 sec)
mysql>
mysql> call proc_grade(31125);
Query OK, 1 row affected (0.01 sec)
mysql> call proc_grade(31126);
Query OK, 1 row affected (0.01 sec)
mysql> call proc_grade(31127);
Query OK, 1 row affected (0.01 sec)
mysql>
mysql> select * from results;
```

```
MySQL 8.0 Command Line Client - Unicode
mysql> call proc_grade(31127);
Query OK, 1 row affected (0.01 sec)
mysql>
mysql> select * from results;
                           class
  roll_no | name
               Rupesh | distinction
     31124
     31125
               Akash
                         | first class
                          higher second class distinction
               Rajan |
Nikhil |
     31126
     31127
4 rows in set (0.00 sec)
mysql> _
Empty set (0.01 sec)
```