EXPERIMENT NO: - 11

To understand the concepts of stored Procedures.

```
use RMS_2;
select database ();
```

 # Create Procedure P1:-

```
delimiter $$
create procedure P1 ()
begin
select * from Passenger;
end $$
delimiter ;
select* from Passenger;
call P1();
```

 # Create Procedure P2:-

```
delimiter$$
create procedure P2(in gnd char(10))
begin
select * from Passenger
where Gender=gnd;
end $$
delimiter ;
callP2 ('Male');
call P2 ('Female');
```

 # Proceure P3 for Insert the records:-

```
delimiter$$
create procedure P3 (in a int, in b varchar (20),
in c int, in d char(10), in e int, in fint)
begin
insert into Passenger values (a,b,c,d,e,f); #inserting records
end $$
delimiter ;
```

```
call P3 (190,'Fischer',28,'Female',465,1975364587); # record is inserted
select* from Passenger;
```

 # Procedure P4 for Updating the records:-

```
delimiter$$
create procedure P4 (in a int, in b varchar (20),
                     in c int, in d char (10),
                     in e int, in f int)
begin update Passenger
set P_ID=a,
P_name=b,
Age=c,
Gender=d,
Ticket_ID=e,
PNR=f
where P_ID=a;
end $$
delimiter ;
call P4(190,'Wales',28,'Female',465,1975364587);
select* from Passenger;
```

 # Procedure P5 for deleting the record:-

```
delimiter $$
create procedure P5 (in a int)
begin delete
from Passenger where P_ID=a;
end $$
delimiter ;
call P5 (190);
select * from Passenger;
```

#Output: -

```
Enter password: ****
Welcome to the MySQL monitor. Commands end with ; or \g.Your MySQL connection id is 35
Server version: 8.0.27 MySQL Community Server - GPLCopyright (c) 2000, 2021, Oracle and/or
its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or itsaffiliates. Other names may be
trademarks of their respective owners.
```

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.mysql> use RMS_2;
Database changed
mysql> select database ();

database()
rms_2

1 row in set (0.00 sec)

mysql> delimiter $$
mysql>create procedure P1()
-> begin
-> select * from Passenger;
-> end $$
Query OK,
0 rows affected (0.01 sec)
mysql> delimiter ;
mysql> select * from Passenger;

P_ID	P_name	Age	Gender	Ticket_ID	PNR
201	Barry	21	Male	596	308123905
217	Mark	24	Male	136	1265577771
239	Alice	30	Female	245	1975364587
340	Natasha	32	Female	169	2110755678
367	Tony	24	Male	101	2120017791

5 rows in set (0.00 sec)

mysql> call P1();

P_ID	P_name	Age	Gender	Ticket_ID	PNR
201	Barry	21	Male	596	308123905
217	Mark	24	Male	136	1265577771
239	Alice	30	Female	245	1975364587
340	Natasha	32	Female	169	2110755678
367	Tony	24	Male	101	2120017791

5 rows in set (0.00 sec)
Query OK,

```
0 rows affected (0.01 sec)

mysql> delimiter $$
mysql> create procedure P2(in gnd char(10))
-> begin
-> select * from Passenger
-> where Gender=gnd;
-> end $$
Query OK,
0 rows affected (0.01 sec)

mysql> delimiter ;
mysql> call P2 ('Male');
+------+---------+------+--------+-----------+------------+
| P_ID | P_name  | Age  | Gender | Ticket_ID | PNR        |
+------+---------+------+--------+-----------+------------+
|  201 | Barry   |   21 | Male   |       596 | 308123905  |
|  217 | Mark    |   24 | Male   |       136 | 1265577771 |
|  367 | Tony    |   24 | Male   |       101 | 2120017791 |
+------+---------+------+--------+-----------+------------+
3 rows in set (0.00 sec)
Query OK, 0 rows affected (0.01 sec)
mysql> call P2 ('Female');
+------+---------+------+--------+-----------+------------+
| P_ID | P_name  | Age  | Gender | Ticket_ID | PNR        |
+------+---------+------+--------+-----------+------------+
|  239 | Alice   |   30 | Female |       245 | 1975364587 |
|  340 | Natasha |   32 | Female |       169 | 2110755678 |
+------+---------+------+--------+-----------+------------+
2 rows in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
mysql> delimiter $$
mysql> create procedure P3(in a int,
                    in b varchar(20),
                    in c int,
                    in d char(10), in e int, in f ->int)
-> begin



-> insert into Passenger values(a,b,c,d,e,f);
 #inserting records
->end $$
Query OK,
 0 rows affected (0.01 sec)

mysql> delimiter  ;
```

```
mysql>
mysql> call P3(190,'Fischer',28,'Female',465,1975364587);
# record is inserted
 QueryOK,
1 row affected (0.01 sec)

mysql> select * from Passenger;

+------+---------+-----+--------+-----------+------------+
| P_ID | P_name  | Age | Gender | Ticket_ID | PNR        |
+------+---------+-----+--------+-----------+------------+
|  190 | Fischer |  28 | Female |       465 | 1975364587 |
|  201 | Barry   |  21 | Male   |       596 | 308123905  |
|  217 | Mark    |  24 | Male   |       136 | 1265577771 |
|  239 | Alice   |  30 | Female |       245 | 1975364587 |
|  340 | Natasha |  32 | Female |       169 | 2110755678 |
|  367 | Tony    |  24 | Male   |       101 | 2120017791 |
+------+---------+-----+--------+-----------+------------+
6 rows in set (0.00 sec)

mysql> delimiter $$
mysql> create procedure P4(in a int, in b varchar(20),
                    in c int,
                    in d char(10),
                    in e int, in f ->int)
-> begin
-> update Passenger
-> set P_ID=a,P_name=b,Age=c,Gender=d,Ticket_ID=e,PNR=f
-> where P_ID=a;
-> end $$
Query OK,
 0 rows affected (0.01 sec)

mysql> delimiter ;
mysql>call
P4(190,'Wales',28,'Female',465,1975364587);
QueryOK,
 1 row affected (0.01 sec)

mysql> select * from Passenger;
+------+---------+-----+--------+-----------+------------+
| P_ID | P_name  | Age | Gender | Ticket_ID | PNR        |
+------+---------+-----+--------+-----------+------------+
|  190 | Wales   |  28 | Female |       465 | 1975364587 |
|  201 | Barry   |  21 | Male   |       596 | 308123905  |
|  217 | Mark    |  24 | Male   |       136 | 1265577771 |
```

```
|  239 | Alice  |  30 | Female |       245 | 1975364587 |
|  340 | Natasha | 32 | Female |      169 | 2110755678 |
|  367 | Tony       |  24 | Male |      101 | 2120017791 |
+          +         +      +         +           +           +
6 rows in set (0.00 sec)

mysql> delimiter $$
mysql> create procedure P5(in a int)
-> begin
-> delete from Passenger  -> where P_ID=a;
-> end $$
Query OK,
0 rows affected (0.01 sec)

mysql> delimiter ;
mysql>call
P5(190);
Query OK,
1 row affected (0.00 sec)

mysql> select * from Passenger;
+          +         +      +         +           +           +
| P_ID | P_name  | Age  | Gender | Ticket_ID | PNR             |
+          +         +      +         +           +           +
|  201 | Barry   |  21 | Male  |              596 | 308123905  |
|  217 | Mark           |  24 | Male  |      136 | 1265577771  |
|  239 | Alice          |  30 | Female |      245 | 1975364587  |
|  340 | Natasha |  32 | Female |             169 | 2110755678  |
|  367 | Tony           |  24 | Male  |      101 | 2120017791  |
+          +         +      +         +           +           +
5 rows in set (0.00 sec)
```