

Create table student:- (roll no primary key ,name ,marks)

Create procedure

to display all records, present in the table

to display marks of the particular student

to handle exception if record not present

write function :

// /command line ///

mysql> use test1

Database changed

mysql> show tables;

Empty set (0.01 sec)

mysql> create table student(rollno int, Name varchar(20),Marks int, primary key (rollno));

Query OK, 0 rows affected (0.04 sec)

mysql> insert into student values(1,"orion1",45); insert into student values(2,"akash1",41);insert into student values(3,"kaustubh1",46);insert into student values(4,"harsh1",50);insert into student values(5,"orion2",35);insert into student values(6,"akash2",43);insert into student values(7,"kaustubh2",50);insert into student values(8,"harsh2",43);insert into student values(9,"tony",34);insert into student values(11,"stark",44);

Query OK, 1 row affected (0.02 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

mysql> select * from student;

| rollno | Name | Marks |
|--------|-----------|-------|
| 1 | orion1 | 45 |
| 2 | akash1 | 41 |
| 3 | kaustubh1 | 46 |
| 4 | harsh1 | 50 |
| 5 | orion2 | 35 |
| 6 | akash2 | 43 |
| 7 | kaustubh2 | 50 |
| 8 | harsh2 | 43 |
| 9 | tony | 34 |
| 11 | stark | 44 |

10 rows in set (0.00 sec)

////Procedure1////

mysql> delimiter //

mysql> CREATE PROCEDURE display_all()

-> BEGIN

-> SELECT * FROM student ;

-> END//

Query OK, 0 rows affected (0.01 sec)

mysql> call display_all();//

| rollno | Name | Marks |
|--------|-----------|-------|
| 1 | orion1 | 45 |
| 2 | akash1 | 41 |
| 3 | kaustubh1 | 46 |
| 4 | harsh1 | 50 |
| 5 | orion2 | 35 |
| 6 | akash2 | 43 |
| 7 | kaustubh2 | 50 |
| 8 | harsh2 | 43 |
| 9 | tony | 34 |
| 11 | stark | 44 |

10 rows in set (0.01 sec)

Query OK, 0 rows affected (0.05 sec)

////Procedure2////

```
mysql> create procedure stud_mark(IN stud_id int)
```

```
-> begin
```

```
-> select * from student where rollno=stud_id;
```

```
-> end//
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> call stud_mark(4);//
```

```
+-----+-----+-----+
```

```
| rollno | Name  | Marks |
```

```
+-----+-----+-----+
```

```
|    4 | harsh1 |    50 |
```

```
+-----+-----+-----+
```

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.02 sec)

```
mysql> call stud_mark(11);//
```

```
+-----+-----+-----+
```

```
| rollno | Name  | Marks |
```

```
+-----+-----+-----+
```

```
|   11 | stark |    44 |
```

```
+-----+-----+-----+
```

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

////Procedure3////

```
mysql> create procedure stud_mark_2(IN stud_id int) begin DECLARE EXIT HANDLER FOR NOT FOUND
select "record not found"; begin select * from student where rollno=stud_id; end; end//
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> call stud_mark_2(4);
```

-> //

```
+-----+-----+-----+
| rollno | Name   | Marks |
+-----+-----+-----+
| 4      | harsh1 | 50    |
+-----+-----+-----+
```

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.02 sec)

```
mysql> call stud_mark_2(10);//
```

Empty set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

```
mysql> select * from student;
```

-> //

```
+-----+-----+-----+
| rollno | Name   | Marks |
+-----+-----+-----+
| 1      | orion1 | 45    |
| 2      | akash1 | 41    |
| 3      | kaustubh1 | 46   |
| 4      | harsh1 | 50    |
| 5      | orion2 | 35    |
```

| | | | | | |
|--|----|-----------|--|----|--|
| | 6 | akash2 | | 43 | |
| | 7 | kaustubh2 | | 50 | |
| | 8 | harsh2 | | 43 | |
| | 9 | tony | | 34 | |
| | 11 | stark | | 44 | |

+-----+-----+-----+

10 rows in set (0.00 sec)

///Function1///

```
mysql> CREATE FUNCTION find_mark(idstud int(10)) RETURNS INT DETERMINISTIC BEGIN DECLARE
i1 INT; SELECT Marks INTO i1 FROM student WHERE rollno=idstud; RETURN i1; END//
```

Query OK, 0 rows affected, 1 warning (0.01 sec)

```
mysql> select find_mark(5);//
```

+-----+

| | | |
|--|--------------|--|
| | find_mark(5) | |
|--|--------------|--|

+-----+

| | | |
|--|----|--|
| | 35 | |
|--|----|--|

+-----+

1 row in set (0.00 sec)

```
mysql> select find_mark(11);//
```

+-----+

| | | |
|--|---------------|--|
| | find_mark(11) | |
|--|---------------|--|

+-----+

| | | |
|--|----|--|
| | 44 | |
|--|----|--|

+-----+

1 row in set (0.00 sec)

```
mysql> select * from student;//
```

| rollNo | Name | Marks |
|--------|-----------|-------|
| 1 | orion1 | 45 |
| 2 | akash1 | 41 |
| 3 | kaustubh1 | 46 |
| 4 | harsh1 | 50 |
| 5 | orion2 | 35 |
| 6 | akash2 | 43 |
| 7 | kaustubh2 | 50 |
| 8 | harsh2 | 43 |
| 9 | tony | 34 |
| 11 | stark | 44 |

10 rows in set (0.00 sec)

///Function2///

```
mysql> CREATE FUNCTION find_name(idstud int(10)) RETURNS varchar(20) DETERMINISTIC BEGIN
DECLARE name1 varchar(20); SELECT Name INTO name1 FROM student WHERE rollno=idstud;
RETURN name1; END//
```

Query OK, 0 rows affected, 1 warning (0.02 sec)

```
mysql> select find_name(6);
```

-> //

| |
|--------------|
| find_name(6) |
| akash2 |

```
+-----+
```

1 row in set (0.01 sec)

```
mysql> select find_name(8);//
```

```
+-----+
```

```
| find_name(8) |
```

```
+-----+
```

```
| harsh2      |
```

```
+-----+
```

1 row in set (0.00 sec)

```
mysql>exit
```