

#### Task 4:

CREATE TABLE students (

id INT PRIMARY KEY,

name VARCHAR(50),

marks INT

);

INSERT INTO students (id, name, marks) VALUES

(1, 'Aarav', 528),

(2, 'Diya', 465),

(3, 'Vivaan', 552),

(4, 'Anaya', 390),

(5, 'Krishna', 488),

(6, 'Meera', 545),

(7, 'Ishaan', 498),

(8, 'Saanvi', 573),

(9, 'Rohan', 441),

(10, 'Kavya', 534);

```
MySQL localhost:33060+ ssl ramya SQL > select * from students;
```

id	name	marks
1	Aarav	528
2	Diya	465
3	Vivaan	552
4	Anaya	390
5	Krishna	488
6	Meera	545
7	Ishaan	498
8	Saanvi	573
9	Rohan	441
10	Kavya	534

10 rows in set (0.0011 sec)

1. create a stored procedure to get a student record by name (use parameter)

```
delimiter //  
create procedure getNames(in s_name varchar(30))  
begin  
    select * from students where name=s_name;  
end //  
delimiter ;
```

```
MySQL localhost:33060+ ssl ramya SQL > delimiter //  
MySQL localhost:33060+ ssl ramya SQL > create procedure getNames(in s_name varchar(30))  
    -> begin  
    -> select * from students where name=s_name;  
    -> end //  
Query OK, 0 rows affected (0.0316 sec)  
MySQL localhost:33060+ ssl ramya SQL > delimiter ;  
MySQL localhost:33060+ ssl ramya SQL > call getNames('Meera');  
+----+-----+-----+  
| id | name | marks |  
+----+-----+-----+  
|  6 | Meera |   545 |  
+----+-----+-----+  
1 row in set (0.0229 sec)  
Query OK, 0 rows affected (0.0229 sec)
```

2. create a stored procedure to get all the student who scored more than 300 marks

```
delimiter //  
create procedure getMarks()  
begin  
    select * from students where marks>300;  
end //  
delimiter ;
```

```
MySQL localhost:33060+ ssl ramya SQL > delimiter //  
MySQL localhost:33060+ ssl ramya SQL > create procedure getMarks()  
-> begin  
-> select * from students where marks>300;  
-> end //  
Query OK, 0 rows affected (0.0260 sec)  
MySQL localhost:33060+ ssl ramya SQL > delimiter ;  
MySQL localhost:33060+ ssl ramya SQL > call getMarks();  
+----+-----+-----+  
| id | name  | marks |  
+----+-----+-----+  
| 1  | Aarav | 528   |  
| 2  | Diya  | 465   |  
| 3  | Vivaan | 552   |  
| 4  | Anaya  | 390   |  
| 5  | Krishna | 488   |  
| 6  | Meera  | 545   |  
| 7  | Ishaan | 498   |  
| 8  | Saanvi | 573   |  
| 9  | Rohan  | 441   |  
| 10 | Kavya  | 534   |  
+----+-----+-----+  
10 rows in set (0.0210 sec)  
Query OK, 0 rows affected (0.0210 sec)
```

3. create a stored procedure to get students who scored 90% or more marks (total is 600)

delimiter //

create procedure getTopmarks()

begin

select \* from students where marks>=0.9\*600 order by marks desc;

end //

delimiter ;

```
MySQL localhost:33060+ ssl ramya SQL > delimiter //
```

```
MySQL localhost:33060+ ssl ramya SQL > create procedure getTopmarks()
```

```
    -> begin
```

```
    -> select * from students where marks>=0.9*600 order by marks desc;
```

```
    -> end //
```

```
Query OK, 0 rows affected (0.0277 sec)
```

```
MySQL localhost:33060+ ssl ramya SQL > delimiter ;
```

```
MySQL localhost:33060+ ssl ramya SQL > call getTopmarks();
```

id	name	marks
8	Saanvi	573
3	Vivaan	552
6	Meera	545

```
3 rows in set (0.0016 sec)
```

```
Query OK, 0 rows affected (0.0016 sec)
```