

EXPERIMENT – 11

PROCEDURES

AIM:

- Create a table with attribute student and name.
- Insert values into the table.
- Create a procedure to get the merit students (marks > 50).
- Create a procedure to get marks of a given id (using in).
- Create a procedure to display highest marks (using out).
- Create a procedure to get marks of a given id (using in and out).

Components:

- A procedures or function is a group or set of SQL and PL/SQL statements that perform a specific task.

Schema:

```
Limit to 1000 rows
1 • create table proce(id int, marks int);
2 • insert into proce(id,marks) values(1,30),(2,40),(3,50),(4,60),(5,70);
3 • select *from proce;
4   delimiter //
5 • create procedure get_merit_stud()
6   begin
7       select *from proce where marks > 50;
8       select count(id) as total_stu from proc;
9   end //
10  delimiter ;
11 • call get_merit_stud();
12
13
14  delimiter //
15 • create procedure get_marks(IN id1 int)
16   begin
17       select marks from proce where id = id1;
18   end //
19  delimiter ;
20 • call get_marks(3);
21
```

```

delimiter //
create procedure get_marks(IN id1 int)
begin
    select marks from proce where id = id1;
end //
delimiter ;
call get_marks(3);

delimiter //
create procedure get_max_marks(out maxi int)
begin
    select max(marks) from proce;
end //
delimiter ;
call get_max_marks(@m);

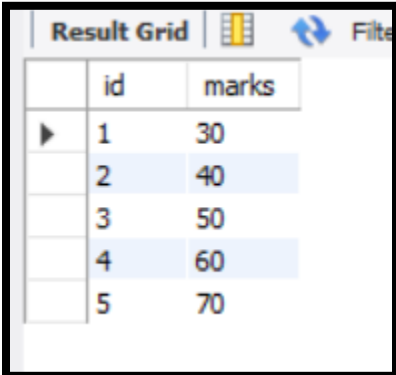
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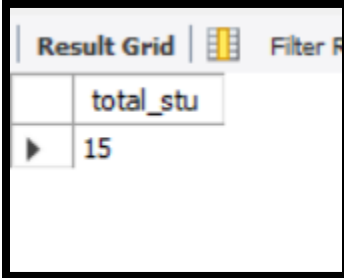
9
0
1     delimiter //
2 •   create procedure get_stu(inout m1 int)
3     begin
4         select marks from proc where id = m1;
5     end //
6     delimiter ;
7 •   set @m = '3' ;
8 •   call get_stu(@m);
9

```

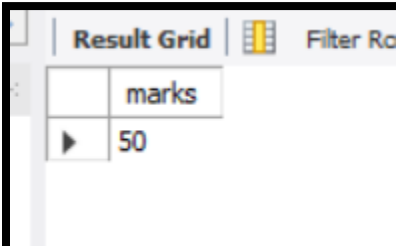
Outputs:



	id	marks
▶	1	30
	2	40
	3	50
	4	60
	5	70



	total_stu
▶	15



	marks
▶	50

Result Grid		Filter Row
	max(marks)	
▶	70	

Result Grid		Filter Row
	marks	
▶	50	

