EXPERIMENT 11

PROCEDURES

Aim:

- Create a table with attributes students and marks.
- 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).

CODE:

```
create table proc(id integer, marks int);
insert into proc (id,marks) values(10,500),(20,300),(30,400),(40,800),(50,900);
select *from  proc;
delimiter //
create procedure Get_Merit_Student()
begin
    select *from proc where marks>50;
    select count(id) as Total_Student from proc;
end //
delimiter ;
call Get_Merit_Student();

delimiter //
create procedure Get_Marks(in x integer)
begin
    select marks from proc where id=x;
```

```
    select marks from proc where id=x;
end //
delimiter ;
call Get_Marks(3);

delimiter //
create procedure Get_Max(out max_marks integer)
begin
    select max(marks) from proc;
end //
delimiter ;
call Get_Max(@m);

delimiter //
create procedure Max_Marks(inout marks integer)
begin
```

```
begin
    select marks from proc where id=marks;
end //
delimiter ;
set @m=3;
call Max_Marks(@m);
```

OUTPUT:

id	marks
10	500
20	300
30	400
40	800
50	900

Result Grid | Filt

Total_Student
5

Result Grid

marks

max(marks)
900

Components:

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