EXPERIMENT – 12

CURSORS

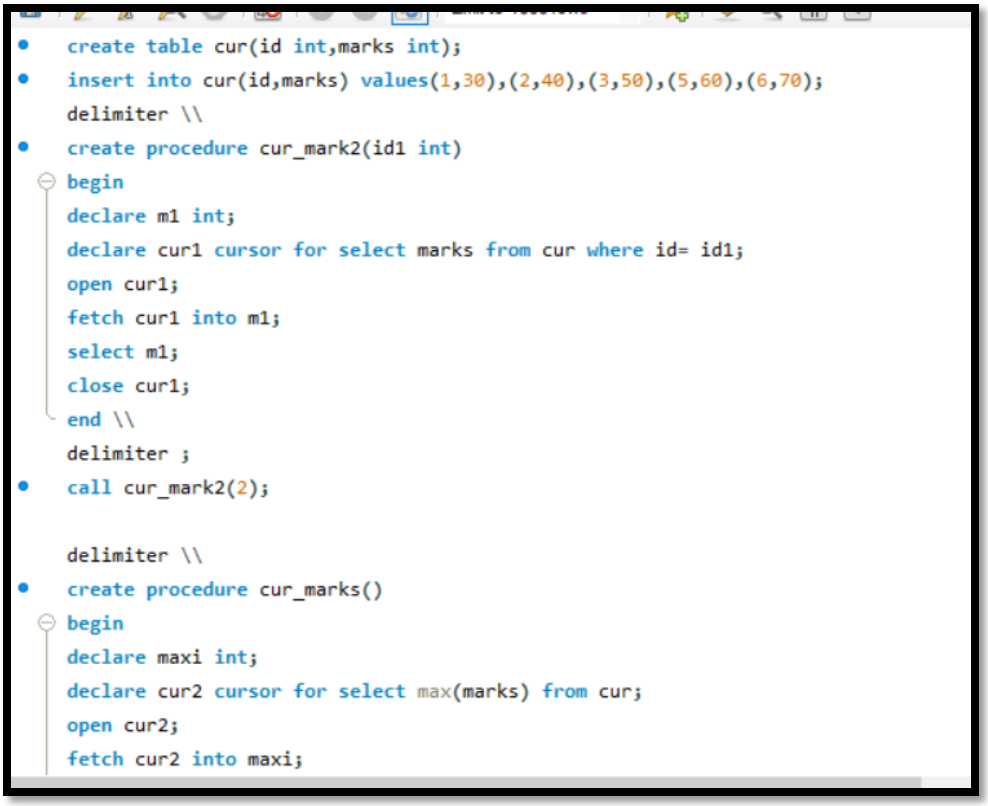
AIM:

- Create a table with attribute student and name.
- Insert values into the table.
- Create a procedure, and fetch the marks of given id using a cursor.
- Create a procedure, and fetch the highest marks using a cursor.

Components:

- A **cursor** is activated and thus created in response to any SQL statement.

Schema:



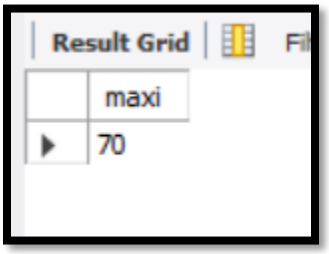
```
create table cur(id int,marks int);
insert into cur(id,marks) values(1,30),(2,40),(3,50),(5,60),(6,70);
delimiter \\
create procedure cur_mark2(id1 int)
begin
declare m1 int;
declare cur1 cursor for select marks from cur where id= id1;
open cur1;
fetch cur1 into m1;
select m1;
close cur1;
end \\
delimiter ;
call cur_mark2(2);

delimiter \\
create procedure cur_marks()
begin
declare maxi int;
declare cur2 cursor for select max(marks) from cur;
open cur2;
fetch cur2 into maxi;
```

```
6     declare m1 int;
7     declare cur1 cursor for select marks from cur where id= id1;
8     open cur1;
9     fetch cur1 into m1;
10    select m1;
11    close cur1;
12    end \\
13    delimiter ;
14    call cur_mark2(2);
15
16    delimiter \\
17    create procedure cur_marks()
18    begin
19    declare maxi int;
20    declare cur2 cursor for select max(marks) from cur;
21    open cur2;
22    fetch cur2 into maxi;
23    select maxi;
24    close cur2;
25    end \\
26    delimiter ;
27    call cur_marks();
```

Outputs:

Result Grid

	m1
▶	40


Result Grid
maxi
70