

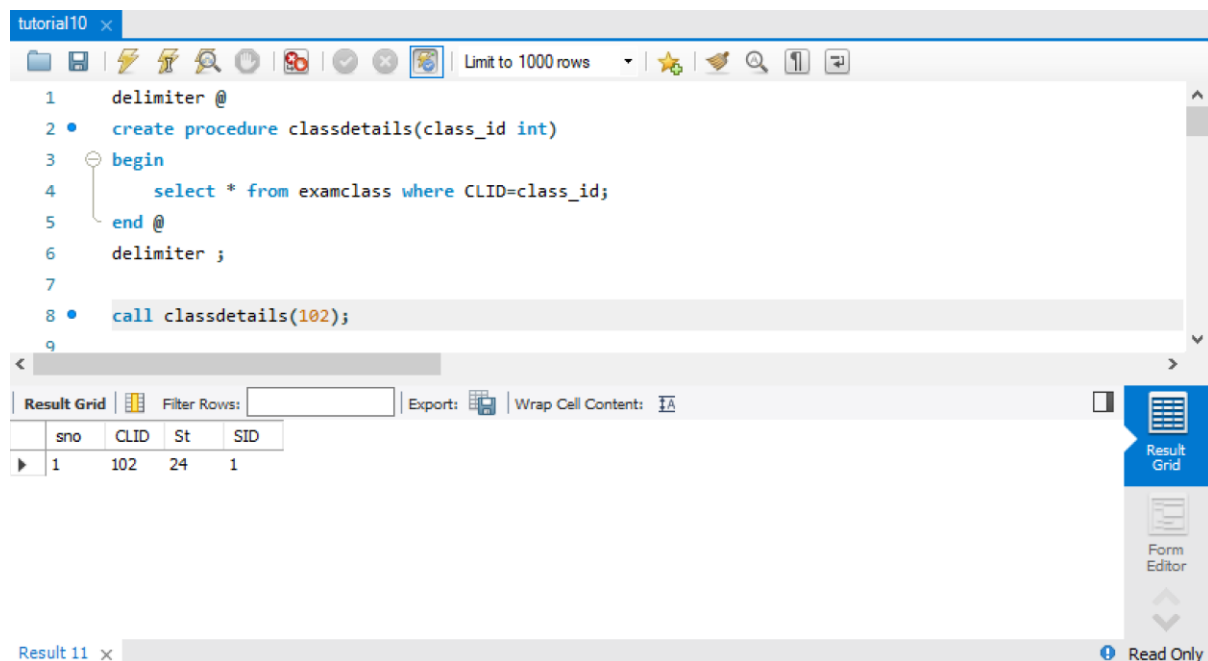
## Tutorial – 10

Implement the following PL/SQL programs on Case Study 2

- 1) Create a procedure to display the information of rooms allocated for a particular course that user inputs

```
delimiter @
create procedure classdetails(class_id int)
begin
    select * from examclass where CLID=class_id;
end @
delimiter ;

call classdetails(102);
```



- 2) Create a Cursor to display the details of faculty working as squad and the no. of duties done by each.

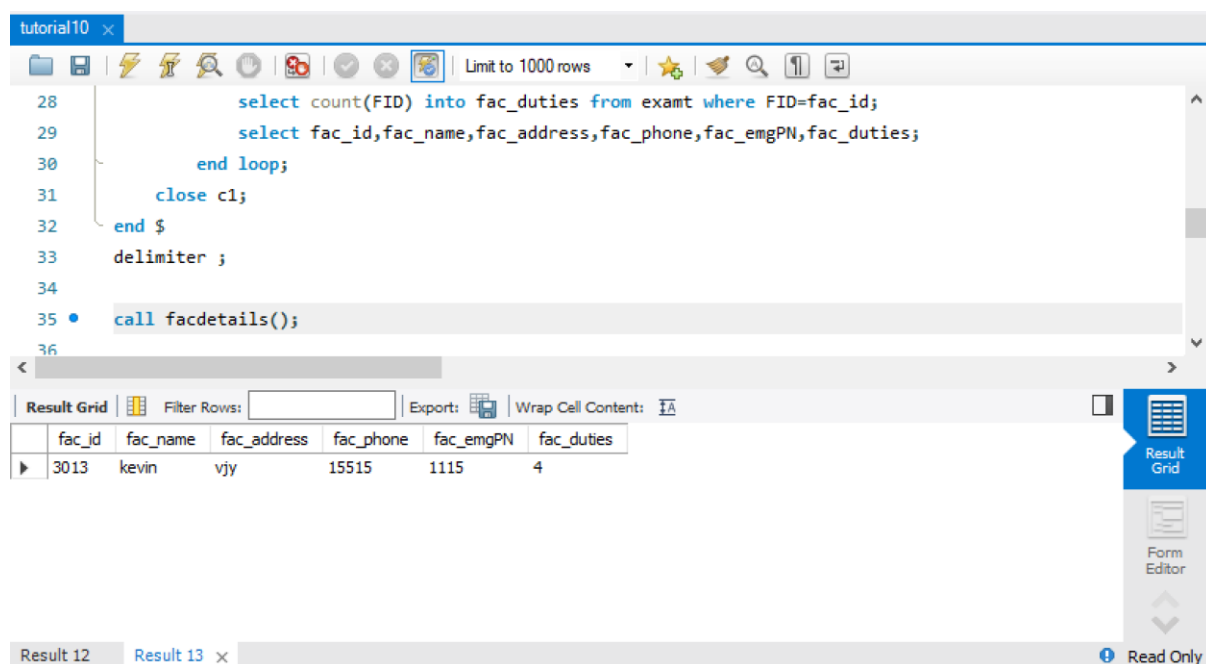
```
delimiter $
create procedure facdetails()
begin
    declare fac_id int;
    declare fac_name varchar(25);
    declare fac_address varchar(25);
    declare fac_phone int;
    declare fac_emgPN int;
    declare fac_duties int;
    declare fac_finished int default 0;
    declare c1 cursor for select * from fac;
    declare continue handler for not found set fac_finished=1;
    open c1;
```

```

        fac_det:loop
            fetch c1 into fac_id,fac_name,fac_address,fac_phone,fac_emgPN;
            if fac_finished=1 then
                leave fac_det;
            end if;
            select count(FID) into fac_duties from examt where FID=fac_id;
            select
fac_id,fac_name,fac_address,fac_phone,fac_emgPN,fac_duties;
        end loop;
    close c1;
end $
delimiter ;

call facdetails();

```



3) Create a cursor to display the examination details of a faculty doing proctoring duty.

```

delimiter @$
create procedure fac_exam_details(fac_id int)
begin
    declare fac_name varchar(25);
    declare fac_examtype varchar(25);
    declare fac_examdate date;
    declare fac_examcoursecode int;
    declare fac_finished int default 0;
    declare c1 cursor for select CID,examtype,dte from examt where FID=fac_id;
    declare continue handler for not found set fac_finished=1;
    open c1;

    fac_ext:loop
        fetch c1 into fac_examcoursecode,fac_examtype,fac_examdate;
        if(fac_finished=1) then
            leave fac_ext;

```

```
        end if;  
        select name into fac_name from fac where FID=fac_id;  
        select fac_id,fac_name,fac_examtype,fac_examdate,fac_examcoursecode;  
        end loop;  
    close c1;  
end $@  
delimiter ;  
  
call fac_exam_details(3012);
```

The screenshot shows a SQL IDE interface. The top toolbar includes icons for file operations, execution, and search. The query window displays the following SQL code:

```
53         select name into fac_name from fac where FID=fac_id;  
54         select fac_id,fac_name,fac_examtype,fac_examdate,fac_examcoursecode;  
55     end loop;  
56     close c1;  
57 end $@  
58 delimiter ;  
59  
60 • call fac_exam_details(3012);
```

Below the query window is the 'Result Grid' section. It includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The result grid displays a single row of data:

fac_id	fac_name	fac_examtype	fac_examdate	fac_examcoursecode
3012	raj	detained	2020-09-08	1

On the right side of the interface, there are buttons for 'Result Grid', 'Form Editor', and 'Read Only'.