

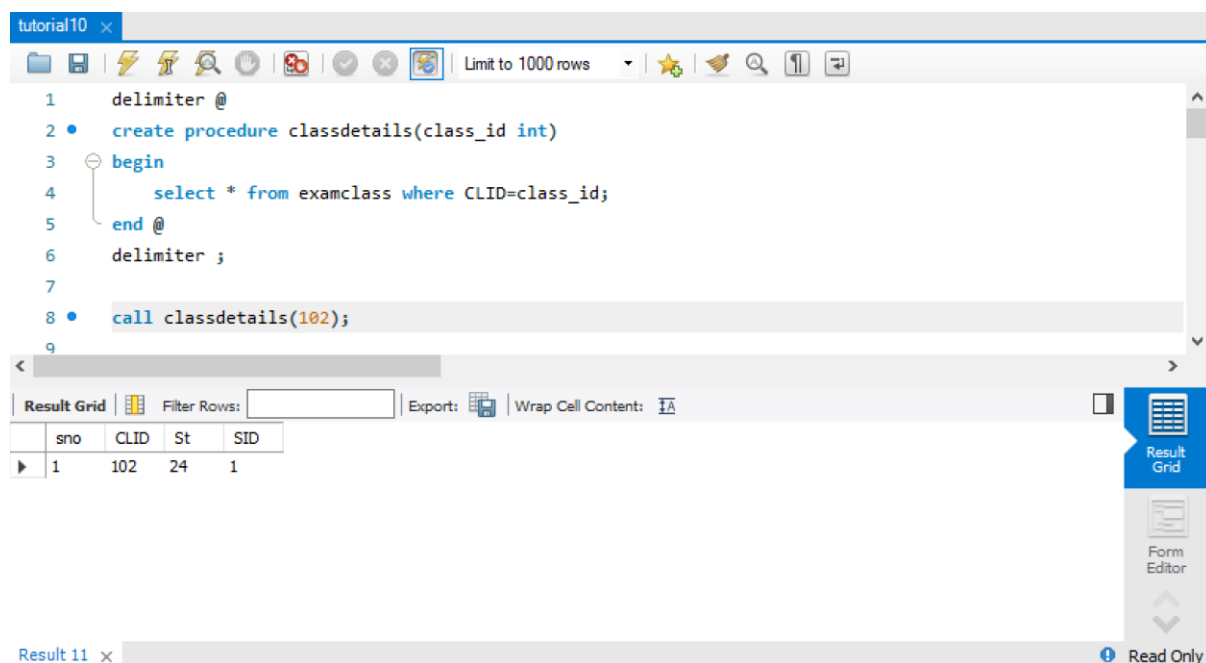
Tutorial – 10

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.

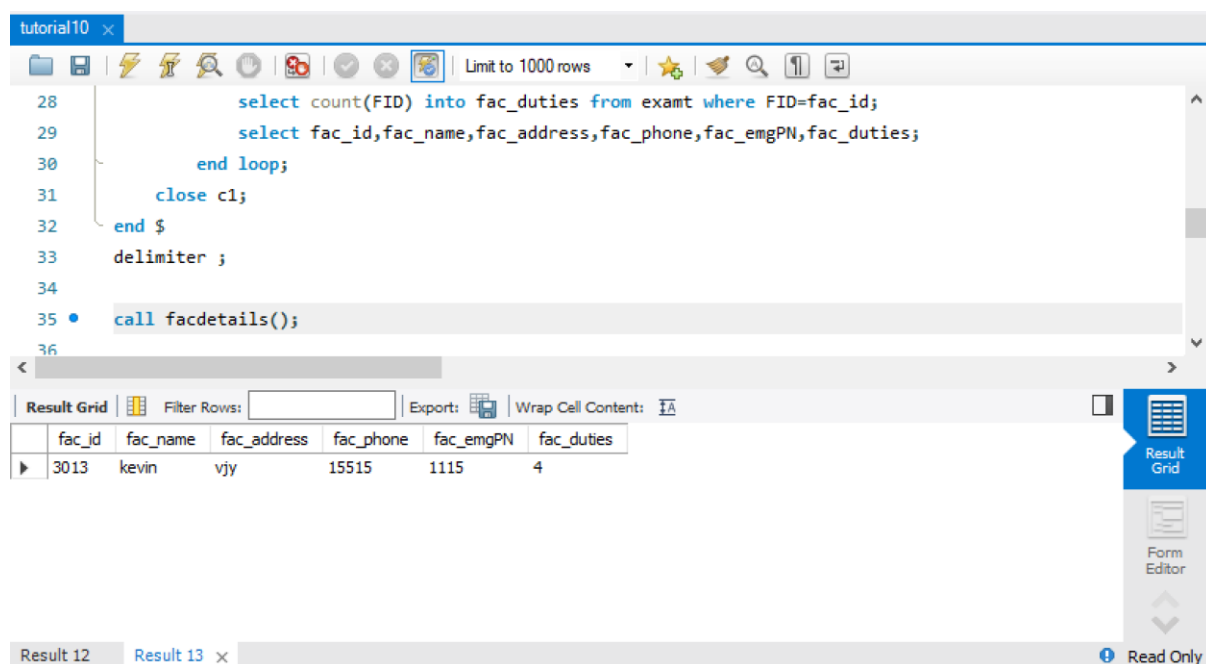
```
delimiter $
create procedure facdetails()
begin
    declare fac_id int;
    declare fac_name varchar(25);
    declare fac_address varchar(25);
    declare fac_phone int;
    declare fac_emgPN int;
    declare fac_duties int;
    declare fac_finished int default 0;
    declare c1 cursor for select * 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 database IDE window titled 'tutorial10'. The SQL editor contains the following 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 editor, the 'Result Grid' is displayed, showing the output of the SQL execution. The grid has the following columns: fac_id, fac_name, fac_examtype, fac_examdate, and fac_examcoursecode. The first row of data is:

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

The IDE interface includes a toolbar at the top with various icons for file operations, execution, and search. The bottom status bar shows 'Result 14', 'Result 15', and 'Result 16' (the active result set), along with a 'Read Only' indicator.