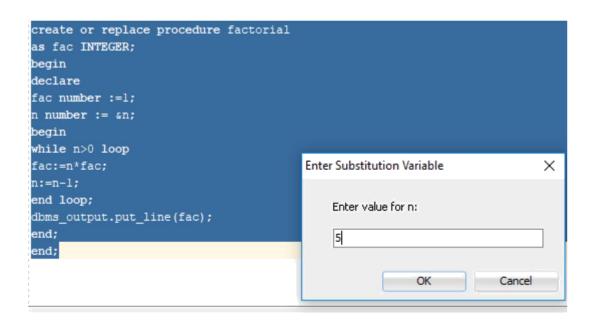
<u>Assignment -7</u> <u>PL/SQL</u>

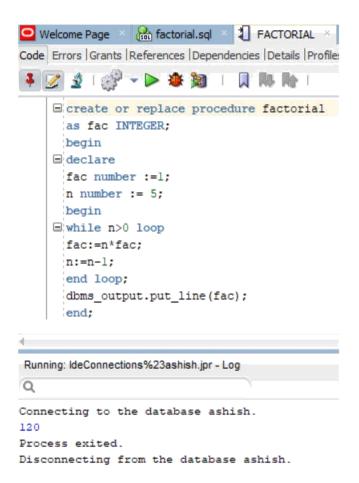
Name-Sankhya Kumar Mitra

Id- 2016ucp1145

1-Create a procedure to find factorial of number provided by user.

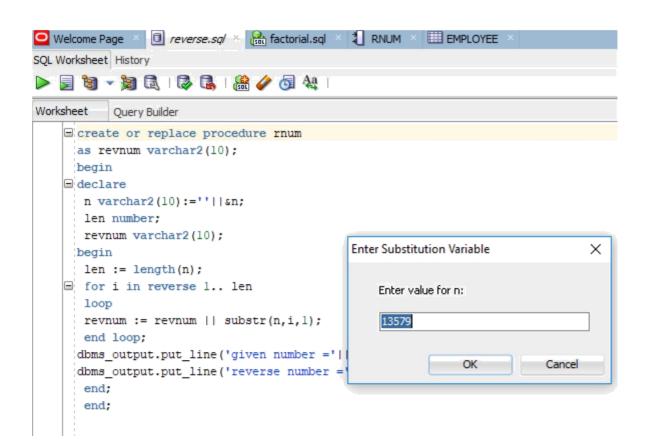
```
Worksheet
        Query Builder
   create or replace procedure factorial
    as fac INTEGER;
    begin
   declare
    fac number :=1;
    n number := &n;
    begin
   while n>0 loop
    fac:=n*fac;
    n:=n-1;
    end loop;
    dbms_output.put_line(fac);
    end;
     end;
```





2-Procedure for reversing a number provided by user.

```
Worksheet
           Query Builder
    create or replace procedure rnum
     as revnum varchar2(10);
     begin
    □ declare
      n varchar2(10):=''||sn;
      len number;
      revnum varchar2(10);
     begin
      len := length(n);
    for i in reverse 1.. len
      loop
      revnum := revnum || substr(n,i,1);
      end loop;
     dbms output.put line('given number = '|| n);
     dbms_output.put_line('reverse number ='|| revnum);
     end;
      end;
```



```
Welcome Page 🗓 reverse.sq/ 🔐 factorial.si
Code Errors | Grants | References | Dependencies | Details
         1 沙 🗸 🕽 🧸 🕽
    Ecreate or replace procedure rnum
      as revnum varchar2(10);
      begin
    declare
       n varchar2(10):=''||13579;
      len number;
       revnum varchar2(10);
     begin
       len := length(n);
    for i in reverse 1.. len
       revnum := revnum || substr(n,i,l)
       end loop;
Running: IdeConnections%23ashish.jpr - Log
Q
Connecting to the database ashish.
given number =13579
reverse number =97531
Process exited.
Disconnecting from the database ashish.
```

Employee(Eno,ename,dno,salary,job)

```
Worksheet
           Query Builder
    create table Employee
     (
     Eno int,
      ename varchar(20),
     dno int,
      salary int,
     job varchar(20)
     );
      insert into Employee
     values(13, 'Ashu', 3, 10000, 'tester');
      insert into Employee
     values (11, 'Goyal', 1, 20000, 'coder');
     insert into Employee
     values(12, 'shambhu', 2, 15000, 'maintainer');
     insert into Employee
     values(10, 'Ashish', 2, 27000, 'coder');
     insert into Employee
     values (9, 'Abhishek', 1, 17000, 'tester');
     insert into Employee
     values(8, 'swaraj', 3, 17000, 'clerk');
     insert into Employee
     values(6, 'Utsav', 7, 28000, 'manager');
      insert into Employee
     values(1, 'Chinmey', 1, 21000, 'tester');
```

	∯ ENO		⊕ DNO		♦ JOB
1	13	Ashu	3	10000	tester
2	11	Goyal	1	20000	coder
3	12	shambhu	2	15000	maintainer
4	10	Ashish	2	27000	coder
5	9	Abhishek	1	17000	tester
6	8	swaraj	3	17000	clerk
7	6	Utsav	7	28000	manager
8	1	Chinmey	1	21000	tester

3-Delete tuples for employee where eid is greater than 10 and display number of rows affected.

```
as var_rows number;
BEGIN
    delete from EMPLOYEE where eno > 10;
    if sql%found then
        var_rows:=sql%rowcount;
        dbms_output.put_line('rows deleted are'||var_rows);
    end if;
END;

Running: IdeConnections%23ashish.jpr-Log
Q

Connecting to the database ashish.
rows deleted are3
Process exited.
Disconnecting from the database ashish.
```

4-Update record in table set salary =50000 where salary is greater than 20000 and less than 30000 And display number of rows affected.

```
1 5.sql
                                                       PRO3
Code Errors | Grants | References | Dependencies | Details | Profiles
              create or replace procedure pro4
      as var_rows number;
      BEGIN
        UPDATE EMPLOYEE set salary =50000 where salary >20000 AND salary<30000;
         if sql%found then
             var_rows:=sql%rowcount;
             dbms_output.put_line('rows updated are'||var_rows);
         end if;
      END;
Running: IdeConnections%23ashish.jpr - Log
Connecting to the database ashish.
rows updated are3
Process exited.
Disconnecting from the database ashish.
```

5-Display the employee number and number of rows selected having salary equal to 17000.

```
Ecreate or replace procedure pro5
 as var_rows number;
 BEGIN
    declare
    rnumber number:=0;
     CURSOR curse is
     Select eno from employee where salary=17000;
    begin
for i in curse loop
            dbms_output.put_line('e_number '||i.eno);
             rnumber:=rnumber+1;
         end loop;
         dbms_output_line('rows selected are-'||rnumber);
     end;
 END;
```

Running: IdeConnections%23ashish.jpr - Log

Q

```
Connecting to the database ashish.
e number 9
e_number 8
rows selected are-2
Process exited.
Disconnecting from the database ashish.
```