Experiment No: 11

Reverse A Given Number

Date: 29/04/2014

Aim:-

Write a PL/SQL program to reverse a given number

Program:-

```
1  declare
2  a int;
3  b int;
4  r int:=0;
5  begin
6   a:=&a;
7   while a>0 loop
8      b:=a mod 10;
9      r:=(r*10)+b;
10     a:=floor(a/10);
11   end loop;
12   dbms_output.put_line('Reverse of a number'||a||'='||r);
13  end;
```

Output:-

```
SQL> /
PL/SQL procedure successfully completed.
SQL> set serveroutput on;
SQL> /
Enter value for a: 28
old  6:  a:=&a;
new  6:  a:=28;
Reverse of a number0=82

PL/SQL procedure successfully completed.
```

Experiment No :12

Number Is Prime Or Not

Date: 29/04/2014

Aim:-

Write a PL/SQL program to check the given number is prime or not.

Program:-

```
1  declare
 2  i int;
 3   n int;
 4   f int:=0;
 5  begin
 6   n:=&n;
 7   for i in 2..n/2 loop
 8    if n mod i=0 then
 9          f:=1;
10    end if;
11     end loop;
12     if f=1 then
13    dbms_output.put_line('no is not pri
14     else
15    dbms_output.put_line('no is prime')
16    end if;
17*  end;
18 /
```

Experiment No: 13

Display The Pattern

Date: 27/05/14

Aim :

Create a PL/Sql program to display the pattern.

1

1 2

1 2 3...n

Program

```
declare
i int;
j int;
n int;
begin
n:=&n;
for i in 1..n loop
for j in 1..i loop
dbms_output.put(j);
end loop;
dbms_output.put_line(' ');
end loop;
end;
```

Experiment No: 14

Display The Prime Number Upto A Limit

Date: 27/05/14

Aim:

Create a PL/Sql program to display the prime number upto a limit.

Program

```
declare
    j int;
    i int;
    n int;
    f int;
  begin
    n:=&n;
    for i in 1..n loop
        f:=0;
      for j in 1..i loop
          if i mod j=0 then
              f:=f+1;
          end if;
      end loop;
      if f=2 then
          dbms_output.put_line(i);
      end if;
  end loop;
end;
```