**PL/SQL**

Q1: Write a PL/SQL program to find the factorial of a given number

set serveroutput on;

declare

2 fact number:=1;

3 n number:=&n;

4 begin

5 for i in 1..n

6 loop

7 fact:=fact\*i;

8 end loop;

9 dbms\_output.put\_line('factorial is '||fact);

10 end;

11 /

Enter value for n: 4

old 3: n number:=&n;

new 3: n number:=4;

factorial is 24

Q2: Write a PL/SQL program to check whether the given no is prime or not

SQL> set serveroutput on;

SQL> declare

2 i number:=2;

3 n number:=&n;

4 f number:=1;

5 begin

6 for i in 2..n/2

7 loop

8 if mod(n,i)=0

9 then

10 f:=0;

11 exit;

12 end if;

13 end loop;

14 if f=1

15 then

16 dbms\_output.put\_line('prime');

17 else

18 dbms\_output.put\_line('not prime');

19 end if;

20 end;

21 /

Enter value for n: 6

old 3: n number:=&n;

new 3: n number:=6;

not prime

**Functions**

1. Write a PL/SQL program to Check whether a number is Armstrong or not using functions
2. Create table that contains itemid,item\_name & price of several items sold in a grocery shop, Using functions retrieve the item name & price from table when itemid is given as input.
3. Write a PL/SQL function called POW that takes two numbers as argument and return the value of the first number raised to the power of the second .