PL/SQL

1.SUM

```
SQL> declare
  2       a number;
  3       b number;
  4       c number;
  5   begin
  6       a:=&a;
  7       b:=&b;
  8       c:=a+b;
  9  dbms_output.put_line('sum of'||a||'and'||b||'is'||c);
 10   end;
 11   /
Enter value for a: 12
old   6:      a:=&a;
new   6:      a:=12;
Enter value for b: 15
old   7:      b:=&b;
new   7:      b:=15;
sum of12and15is27
PL/SQL procedure successfully completed.
```

2.Factorial

```
 SQL> declare
  2          n number;
  3          fact number:=1;
```

```
 4          i number;
 5   begin
 6          n:=&n;
 7              For I in 1..n
 8           loop
 9    fact:=fact*i;
 10    end loop;
 11    dbms_output.put_line('factorial of '||n||' is:'||fact);
 12    end;
 13    /
Enter value for n: 5
old   6:          n:=&n;
new   6:          n:=5;
Factorial = 120
```

PL/SQL procedure successfully completed.

3. Prime or Not

```
SQL> declare
  2    n number;
  3   temp number;
  4   i number;
  5  begin
  6  n := &n;
  7  i := 2;
  8  temp := 1;
  9  for i in 2..n/2
```

```
10      loop
11          if mod(n, i) = 0
12          then
13          temp := 0;
14              exit;
15          end if;
16          end loop;
17
18      if temp = 1
19      then
20          dbms_output.put_line('given num '||n||' is prime number');
21      else
22          dbms_output.put_line(' given num '||n||' is not prime number ');
23      end if;
24  end;
25  /
Enter value for n: 9
old   6: n := &n;
new   6: n := 9;
given number 9 is not prime number
PL/SQL procedure successfully completed.
```