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**P14. WRITE A PROGRAM TO PRINT THE MULTIPLICATION TABLE OF A GIVEN NO:**

```
SQL> Declare
  r number;
  no number;
  Begin
  no:=&NO;
  r := &Range;
  FOR I IN 1..r LOOP
  dbms_output.put_line(no||' X '|| i || ' = ' ||i*no);
  end loop;
end;
/
```

```
Enter value for no: 5
old 5: no:=&NO;
new 5: no:=5;
Enter value for range: 5
old 6: r := &Range;
new 6: r := 5;
```

```
5 X 1 = 5
5 X 2 = 10
5 X 3 = 15
5 X 4 = 20
5 X 5 = 25
```

PL/SQL procedure successfully completed.

**P15. WRITE A PROGRAM TO GENERATE EVEN NUMBERS FROM GIVEN RANGE (1 TO N), AND FIND ITS SUM.**

```
SQL> declare
  i number(5);
  n number(5);
  v number(5);
  s number(5):=0;
  Begin
  n := &Range;
  for i in 1 .. n/2 loop
  v := i*2;
  s := s+v;
```

```

    dbms_output.put_line(v);
end loop;
dbms_output.put_line('The sum of Even Numbers from 1 to '||n||' = ' ||s);
end;
/
Enter value for range: 10
old 7: n := &Range;
new 7: n := 10;
2
4
6
8
10
The sum of Even Numbers from 1 to 10 = 30

```

PL/SQL procedure successfully completed.

**P16. WRITE A PROGRAM TO GENERATE FIRST 10 TERMS OF THE FIBONACCI SERIES.**

```

SQL> declare
  a number:= 0 ;
  b number:= 1;
  c number;
begin
  dbms_output.put('The series : ');
  dbms_output.put(a||' '||b||' ');
  for i in 3..10 loop
    c := a + b;
    dbms_output.put(c||' ');
    a := b;
    b := c;
  end loop;
  dbms_output.put_line(' ');
end;
/
The series : 0 1 1 2 3 5 8 13 21 34

```

PL/SQL procedure successfully completed.

**P17. WRITE A PROGRAM TO FIND THE FACTORIAL OF A NUMBER.**

```

Declare
n number(2);

```

```
i number(2);  
f number(5):=1;  
Begin  
n :=&n;  
for i in 1..n loop  
    f := f * i;  
end loop;  
dbms_output.put_line(' The factorial value = ||f);  
end;
```

Enter value for n: 5

old 6: n:=&n;

new 6: n:=5;

The factorial value = 120