1. Print employee name and increment his salary follow by below pattern

Job = Manger ---> Increment salary 58%

Job = Analyst ---> Increment salary 35%

Job = Clerk---> Increment salary 10%

(Dont use Insert or update statements).

```
20 begin
21     dbms_output.put_line('empno'||' '||'empname'||' '||'increment_salary');
22     for i in (select * from emp)
23     loop
24     if i.job = 'MANAGER' then
25     dbms_output.put_line(i.empno||' '||i.ename||'    '||i.sal*0.53);
26     elsif i.job = 'ANALYST' then
27     dbms_output.put_line(i.empno||' '||i.ename||'    '||i.sal*0.35);
28     elsif i.job = 'CLERK' then
29     dbms_output.put_line(i.empno||' '||i.ename||'     '||i.sal*0.10);
30     end if;
31     end loop;
32 end;
```

Script Output

Task completed in 0.091 seconds

```
empno empname increment_salary
7369 SMITH    2600
7566 JONES   1576.75
7698 BLAKE   1510.5
7782 CLARK   1298.5
7788 SCOTT   1050
7876 ADAMS    110
7900 JAMES    95
7902 FORD   1050
7934 MILLER    130
```

2.Numbers 1 to 10

```
--Numbers 1 to 10
declare
    n number(10):=10;
begin
    for i in 1..n
    loop
        dbms_output.put_line(i);
    end loop;
end;
```

Script Output

Task completed in 0.082 seconds

```
1
2
3
4
5
6
7
8
9
10
```

3. 2 Table using for loop

```
--==================================== table
declare
    a number (20):= 2;
begin
    for b in 1..10
    loop
        dbms_output.put_line(a||'*'||b||'='||a*b);
    end loop;
end;
```

Script Output

Task completed in 0.056 seconds

```
2*1=2
2*2=4
2*3=6
2*4=8
2*5=10
2*6=12
2*7=14
2*8=16
2*9=18
2*10=20
```

4 .Factorial of an number

```
-- Factorial of an number
declare
    a number (20) := :nm;
    x number (20) := 1;
    i number(20);
begin
    for i in 1..a
    loop
        x:=x*i;
    end loop;
    dbms_output.put_line('Factorial of '||a||' is '||x);
end;
```

Script Output

```
Factorial of 5 is 120


PL/SQL procedure successfully completed.
```

5. Prime number

```
declare
    num number := :enter_a_number_to_check_prime_or_not;
    i number := 2;
    r number := 1;
begin
    for i in 2..num
    loop
        if mod(num,i)=0
        then
        r := 0;
        exit;
        end if;
    end loop;
if r = 1 then
dbms_output.put_line(num||' is a prime number');
else
dbms_output.put_line(num||' is not a prime number');
end if;
end;
```

Script Output

Task completed in 0.052 seconds

```
3 is not a prime number
```