

## Assignment - 6.2

DATE 19-Feb  
PAGE 46

Q.1 write an explanation steps with all iterations of nested loop to give below pattern:

```
1 2 3 4 5
2 3 4 5
3 4 5
4 5
5
```

ans  $\Rightarrow$  Step 1:- iteration 1 ( $i=1$ )  
inner loop 'j' starts from 1  
and goes up to 5.

Step 2:- iteration 2 ( $i=2$ ):-  
same inner loop 'j' starts from 2

Step 3:- iteration 3 ( $i=3$ )  
same inner loop 'j' starts from 3

and inner loop 'j' is continuous to the 5

and break the loop and print.

Q.2 write an explanation steps with all iterations of nested loop to solve below pattern?

```
- - - - 5
- - - 4 5
- - 3 4 5
- 2 3 4 5
1 2 3 4 5
```

ans  $\Rightarrow$  1. Outer loop iteration 1 ( $i=1$ ):

o.p - - - - 5

2. Outer loop iteration 2 ( $i=2$ ):

inner loop (1): print (-);

o.p - - - 4 5

3. Outer loop iteration 3 ( $i=3$ ):

inner loop (1): print (- -);

inner loop (2): print (3, 2, 1);

o.p - - 3 4 5;

4. Outer loop iteration 4 ( $i=4$ ):

inner loop (1): print ( - - - );

inner loop (2): print (4, 3, 2, 1);

o.p - 2 3 4 5

5. Outer loop iteration 5 ( $i=5$ ):

inner loop (1): print ( - - - - );

o.p 1 2 3 4 5