24-09-2025

Q) *
  * *
  * * *
  * * * *
  * * * * *

A) for i in range(1,6,1):

    for j in range(1,i+1,1):

      print("*",end=" ")

    print()

o/p:

```
*
* *
* * *
* * * *
* * * * *
```

Q2) * * * * *
  * * * *
  * * *
  * *
  *

A) for i in range(1,6,1):

    for j in range(6,i,-1):

      print("*" ,end=" ")

    print()

o/p:

```
* * * * *
* * * *
* * *
* *
*
```

Q3) 1

    1 2

    1 2 3

     1 2 3 4

     1 2 3 4 5

A)
```
for i in range(1,6,1):
    for j in range(1,i+1,1):
        print(j,end=" ")
    print()
```

o/p:

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

Q4) 1 2 3 4 5

     1 2 3 4

     1 2 3

      1 2

      1

```
A) for i in range(1,6,1):
    for j in range(1,7-i,1):
        print(j,end=" ")
    print()
```

o/p:

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

•syntax of while loop inside while loop

initialization of outer loop
while(condition of outer loop):

    initialization of inner loop
    while(condition of inner loop):
        statements of inner loop
        inc/dec of inner loop

    statements of outer loop
    inc/dec of outer loop