

## Nested for loops:

```
1.for i in range(1,4):  
    for j in range(1,11):  
        print(f"{i}*{j} = {i*j}")  
    print("-----")  
o/p:
```

1\*1 = 1

1\*2 = 2

1\*3 = 3

1\*4 = 4

1\*5 = 5

1\*6 = 6

1\*7 = 7

1\*8 = 8

1\*9 = 9

1\*10 = 10

-----

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

-----

3\*1 = 3

$$3*2 = 6$$

$$3*3 = 9$$

$$3*4 = 12$$

$$3*5 = 15$$

$$3*6 = 18$$

$$3*7 = 21$$

$$3*8 = 24$$

$$3*9 = 27$$

$$3*10 = 30$$

-----

2.for i in range(1,3):

    for j in range(1,3):

        print("\*\*", end="")

    print()

o/p:

\*\*

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3.for i in range(1,6):

    for j in range(1,1+i):

        print("\*\*",end="")

    print()

o/p:

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\*\*\*\*

\*\*\*\*\*

4.for i in range(1,6):

    for j in range(1,1+i):

```
print(j,end="")
```

```
print()
```

o/p:

1

12

123

1234

12345

5. for i in range(1,6):

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

```
        print(i,end="")
```

```
    print()
```

o/p:

1

22

333

4444

55555

6. row=5

```
for i in range(1,row+1):
```

```
    for j in range(1,row+1-i):
```

```
        print(j,end="")
```

```
    print()
```

1234

123

12

1

7.row=5

n=1

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

1.

row=5

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

o/p:

1

12

123

1234

12345

2.

row=5

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

o/p:

1

22

333

4444

55555

3.

row=5

n=1

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

    for j in range(1,i+1):

        print(n, end="")

        n+=1

    print()

o/p:

1

23

456

78910

1112131415

4.

row=5

n=1

for i in range(row,0,-1):

    for j in range(1,i+1):

        print(j, end="")

    print()

o/p: 12345

1234

123

12

1

5.

row=5

```
n=1
for i in range(row,0,-1):
    for j in range(1,i+1):
        print(i, end="")
```

```
    print()
```

o/p:

55555

4444

333

22

1