**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

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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

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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