

Patterns

#2x2 pattern

```
**
```

```
**
```

```
for i in range(1,3):
```

```
    for j in range(1,3):
```

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

```
    print()
```

#2x5 pattern

```
*****
```

```
*****
```

```
for i in range(1,3):
```

```
    for j in range(1,6):
```

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

```
    print()
```

#10x10 pattern

```
*****
```

```
*****
```

```
*****
```

```
*****
```

```
*****
```

```
*****
```

```
*****
```

```
*****
```

```
for i in range(1,11):
    for j in range(1,11):
        print("*",end="")
    print()
```

#5x10 pattern

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

```
    for j in range(1,11):
        print("*",end="")
    print("")
```

#number patterns

2x5 pattern

12345

12345

```
for i in range(1,3):
```

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

#5x5

12345

12345

12345

12345

12345

for i in range(1,6):

for j in range(1,6):

print(j,end="")

print()

#2x10 pattern

12345678910

12345678910

for i in range(1,3):

for j in range(1,11):

print(j,end="")

print()

#10x5 pattern

12345

12345

12345

12345

12345

12345

12345

12345

12345

12345

for i in range(1,11):

 for j in range(1,6):

 print(j,end="")

 print()

#10x2 pattern

12

12

12

12

12

12

12

12

12

12

12

for i in range(1,11):

 for j in range(1,3):

 print(j,end="")

 print()

#triangle patterns

```
*  
* *  
* * *  
for i in range(1,4):  
    print("***i)  
#print 1 to 5 tables  
for i in range(1,6):  
    for j in range(1,11):  
        print(f"{i} * {j} = {i*j}")  
    print("-----")  
#pattern:  
1  
12  
123  
1234  
12345  
for i in range(1,6):  
    for j in range(1,i+1):  
        print(j,end="")  
    print()  
#pattern  
1  
22  
333
```

4444

55555

rows=5

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

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

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

```
    print()
```

#pattern

1

11

111

1111

11111

rows=5

n=1

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

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

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

```
    print()
```

#pattern

1

23

456

78910

1112131415

rows=5

n=1

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

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

 print(n,end="")

 n+=1

print()

#pattern

12345

1234

123

12

1

rows=5

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

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

 print(j,end="")

 print()

#pattern

55555

4444

333

22

```
1
rows=5
for i in range(rows,0,-1):
    for j in range(1,i+1):
        print(i,end="")
    print()
```

#pattern

11111

2222

333

44

5

rows=5

```
for i in range(1,rows+1):
    for j in range(1,rows-i+2):
        print(i,end="")
    print()
```