

## Patterns

### **#2x2 pattern**

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**\*\***

```
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**

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

### **#5x10 pattern**

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```
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**

```
for i in range(1,11):
```

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

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

```
    print()
```

**#triangle patterns**

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```
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()