

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

```
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()

```

Pattern-1:

```

A
ab
ABC
abcd
ABCDE

```

```

#program
rows=5
for i in range(1,rows+1):

```

```

n=65
k=97
for j in range(1,i+1):
    if i%2==0:
        print(chr(k),end="")
        k+=1
    else:
        print(chr(n),end="")
        n+=1
print()

```

Pattern-2:

A

12

ABC

1234

ABCDE

#program

rows=5

```

for i in range(1,rows+1):
    n=65
    for j in range(1,i+1):
        if i%2==1:
            print(chr(n),end="")
            n+=1
        else:
            print(j,end="")
    print()

```


Pattern-3:

1

12

123

1234

12345

```
#program
```

```
rows=5
```

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

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

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

```
    print()
```

Pattern-4:

A

AB

ABC

ABCD

ABCDE

```
#program
```

```
rows=5
```

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

```
    n=65
```

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

```
    print(chr(n),end="")
    n+=1
print()
```

Pattern-5:-

1

22

333

4444

55555

#program

rows=5

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

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

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

```
    print()
```