

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()
```

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="")  
    print()
```

```
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()
```