

```
#1
n=int(input("enter the number of rows:"))
for i in range (1,n+1):
    for j in range (1,i+1):
        print(j,end="")
    print()
```

enter the number of rows:5

```
1
12
123
1234
12345
```

```
#2
n=int(input("enter the number of rows:"))
for i in range (1,n+1):
    for j in range (1,i+1):
        print(i,end="")
    print()
```

enter the number of rows:6

```
1
22
333
4444
55555
666666
```

```
#3
n=int(input("enter the number of rows:"))
for i in range (1,n+1):
    for j in range (1,i+1):
        print(j,end="")
    print()
for i in range (n,1,-1):
    for j in range (1,i):
        print(j,end="")
    print()
```

enter the number of rows:5

```
1
12
123
1234
12345
1234
```

123  
12  
1

```
#4
n=int(input("enter the number of rows:"))
for i in range (n,0,-1):
    for j in range (1,i+1):
        print(j,end="")
    print()
for i in range (1,n+1):
    for j in range (1,i+1):
        print(j,end="")
    print()
```

enter the number of rows:5  
12345  
1234  
123  
12  
1  
1  
12  
123  
1234  
12345

```
#5
n=int(input("enter the number of rows:"))
for i in range (n,0,-1):
    for j in range (i,0,-1):
        print(j,end="")
    print()
for i in range (1,n+1):
    for j in range (i,0,-1):
        print(j,end="")
    print()
```

enter the number of rows:5  
54321  
4321  
321  
21  
1  
1  
21  
321

4321  
54321

```
#6
n=int(input("enter the number of rows:"))
for i in range (1,n+1):
    print(" "*(n-i),end="")
    for j in range (1,i+1):
        print(j,end=" ")
    print()
```

enter the number of rows:5  
1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5

```
#7
n=int(input("enter the number of rows:"))
for i in range (n,0,-1):
    for j in range (0,i):
        print(n-j,end="")
    print()
```

enter the number of rows:5  
54321  
5432  
543  
54  
5

```
#8
n=int(input("enter the number of rows:"))
for i in range (1,n+1):
    for j in range (0,i):
        print(n-j,end="")
    print()
```

enter the number of rows:5  
5  
54  
543  
5432  
54321

```
#10
n=int(input("enter the number of rows:"))
for i in range (1,n+1):
    for j in range (0,i):
        print(i-j,end="")
    print()
```

enter the number of rows:5

```
1
21
321
4321
54321
```

```
#11
n=int(input("enter the number of rows:"))
for i in range (n,0,-1):
    for j in range (1,i+1):
        print(j,end="")
    print()
```

enter the number of rows:5

```
12345
1234
123
12
1
```

```
#12
n=int(input("enter the number of rows:"))
for i in range (n,0,-1):
    print(" "*(n-i),end="")
    for j in range(i,0,-1):
        print("*",end="")
    print()
```

enter the number of rows:5

```
*****
****
***
**
*
```

```
#13
n=int(input("enter the number of rows:"))
for i in range (1,n+1):
    print(" "*(n-i),end="")
```

```

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

```

enter the number of rows:5

```

*
* *
* * *
* * * *
* * * * *

```

#14

```

n=int(input("enter the number of rows:"))
for i in range (n,0,-1):
    print(" "*(n-i),end="")
    for j in range(i,0,-1):
        print("*",end=" ")
    print()

```

enter the number of rows:5

```

* * * * *
* * * *
* * *
* *
*

```

#15

```

n=int(input("enter the number of rows:"))
for i in range (n,0,-1):
    print(" "*(n-i),end="")
    for j in range(i,0,-1):
        print("*",end=" ")
    print()
for i in range (1,n+1):
    print(" "*(n-i),end="")
    for j in range(1,i+1):
        print("*",end=" ")
    print()

```

enter the number of rows:5

```

* * * * *
* * * *
* * *
* *
*
*
* *
* * *

```

\* \* \* \*  
\* \* \* \* \*