

## **Pattern Programs**

```
Pattern-1:

    n=int(input("Enter the number of rows: "))

        print("* "*n)
Pattern-2:
1111111111
222222222
333333333
444444444
555555555
666666666
777777777
888888888
999999999
10 10 10 10 10 10 10 10 10 10
  1) n=int(input("Enter the number of rows: "))
   2) for i in range(1,n+1):
       for j in range(1,n+1):
  3)
         print(i,end=" ")
  5)
       print()
```

#### Pattern-3:

12345678910



```
12345678910
12345678910
12345678910
12345678910
12345678910
12345678910
12345678910

    n=int(input("Enter the number of rows: "))

  2) for i in range(1,n+1):
  3)
       for j in range(1,n+1):
  4)
         print(j,end=" ")
  5)
       print()
Pattern-4:
AAAAAAAA
BBBBBBBBB
CCCCCCCC
{\tt DDDDDDDDDD
EEEEEEEEE
FFFFFFFFF
GGGGGGGG
ннннннннн
11111111111
1111111111

    n=int(input("Enter the number of rows: "))

  2) for i in range(1,n+1):
  3)
       for j in range(1,n+1):
         print(chr(64+i),end=" ")
  4)
       print()
Pattern-5:
ABCDEFGHIJ
```

ABCDEFGHIJ ABCDEFGHIJ ABCDEFGHIJ ABCDEFGHIJ ABCDEFGHIJ ABCDEFGHIJ ABCDEFGHIJ ABCDEFGHIJ



```
1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
        for j in range(1,n+1):
  3)
  4)
         print(chr(64+j),end=" ")
  5)
        print()
Pattern-6:
10 10 10 10 10 10 10 10 10 10
999999999
888888888
777777777
666666666
555555555
444444444
333333333
222222222
111111111
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
        for j in range(1,n+1):
  4)
         print(n+1-i,end=" ")
  5)
        print()
Pattern-6:
```

```
10987654321
10987654321
10987654321
10987654321
10987654321
10987654321
10987654321
10987654321
10987654321
10987654321
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
       for j in range(1,n+1):
  4)
         print(n+1-j,end=" ")
  5)
       print()
```



#### Pattern-7:

```
    n=int(input("Enter the number of rows: "))
    for i in range(1,n+1):
    for j in range(1,n+1):
    print(chr(65+n-i),end=" ")
```

#### 5) print()

#### Pattern-8:

```
JIHGFEDCBA

In=int(input("Enter the number of rows: "))

2) for i in range(1,n+1):

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

print(chr(65+n-j),end=" ")

#### Pattern-9:

print()

4)

5)

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



```
Code - 1:
   1) n=int(input("Enter the number of rows:"))
   2) for i in range(1,n+1):
   3)
        for j in range(1,i+1):
   4)
          print("*",end=" ")
   5)
        print()
Code - 2:
   1) n=int(input("Enter the number of rows:"))
         print("* "*i)
   3)
Pattern-10:
1
22
333
4444
55555
666666
777777
8888888
99999999
10 10 10 10 10 10 10 10 10 10
   1) n=int(input("Enter the number of rows: "))
   2) for i in range(1,n+1):
        for j in range(1,i+1):
   3)
   4)
          print(i,end=" ")
  5)
        print()
Pattern-11:
```



```
123456789
12345678910
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
       for j in range(1,i+1):
  4)
         print(j,end=" ")
       print()
Pattern-12:
Α
ВВ
CCC
DDDD
EEEEE
FFFFFF
GGGGGG
ннннннн
1111111111
1111111111
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
       for j in range(1,i+1):
         print(chr(64+i),end=" ")
  4)
  5)
       print()
Pattern-13:
Α
ΑВ
АВС
ABCD
ABCDE
ABCDEF
ABCDEFG
ABCDEFGH
ABCDEFGHI
ABCDEFGHIJ
```

1) n=int(input("Enter the number of rows: "))

2) for i in range(1,n+1):

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

print(chr(64+j),end=" ")

3)

4)

5) print()



- **U** Squares
- **U** Right Angled Triangle
- **U** Reverse of Right Angled Triangle

#### Pattern-14:

```
********

******

*****

****

***

***

***

**

1) n=int(input("Enter the number of rows: "))

2) for i in range(1,n+1):

3) for j in range(1,n+2-i):

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

5) print()
```

#### Pattern-15:

```
1111111111
22222222
3333333
444444
555555
66666
7777
888
99
10
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
       for j in range(1,n+2-i):
  4)
         print(i,end=" ")
  5)
       print()
```



#### Pattern-16:

```
12345678910
123456789
12345678
1234567
123456
12345
1234
123
12
1
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
        for j in range(1,n+2-i):
  4)
          print(j,end=" ")
        print()
  5)
```

#### Pattern-17:

```
AAAAAAAA
BBBBBBBB
CCCCCCC
DDDDDD
EEEEEE
FFFFF
GGGG
HHH
11
J
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
       for j in range(1,n+2-i):
  4)
         print(chr(64+i),end=" ")
  5)
       print()
```

#### Pattern-18:

```
ABCDEFGHIJ
ABCDEFGHI
ABCDEFGH
ABCDEFG
ABCDE
ABCDE
```



3)

5)

1) n=int(input("Enter the number of rows: "))

2) for i in range(1,n+1):

print()

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

```
ABC
ΑВ
Α
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
       for j in range(1,n+2-i):
         print(chr(64+j),end=" ")
  4)
       print()
Pattern-19:
10 10 10 10 10 10 10 10 10 10
99999999
8888888
777777
666666
55555
4444
333
22
1
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
       for j in range(1,n+2-i):
         print(n+1-i,end=" ")
  4)
  5)
       print()
Pattern-20:
10987654321
1098765432
109876543
10987654
1098765
109876
```



#### Pattern-21:

```
1111111111
111111111
ннннннн
GGGGGG
FFFFF
EEEEE
DDDD
CCC
ВВ
Α
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
        for j in range(1,n+2-i):
  4)
         print(chr(65+n-i),end=" ")
  5)
        print()
```

#### Pattern-22:

```
JIHGFEDCBA
JIHGFEDCB
JIHGFEDC
JIHGFED
JIHGFE
JIHGF
JIHG
JIH
JΙ
J
   1) n=int(input("Enter the number of rows: "))
   2) for i in range(1,n+1):
   3)
        for j in range(1,n+2-i):
   4)
          print(chr(65+n-j),end=" ")
  5)
        print()
```

#### Pattern-23:

```
*
    **
    ***

****

*****

*****
```



```
******

******

1) n=int(input("Enter the number of rows: "))

2) for i in range(1,n+1):

3) print(" "*(n-i),"*"*i,end=" ")

4) print()
```

#### Pattern-24:

```
1) n=int(input("Enter the number of rows: "))
2) for i in range(1,n+1):
3) print(" "*(n-i),end="")
4) for j in range(1,i+1):
5) print("*",end=" ")
6) print()
```

#### Pattern-25:



#### 99999999

#### 10 10 10 10 10 10 10 10 10 10

```
1) n=int(input("Enter the number of rows: "))
```

```
2) for i in range(1,n+1):
```

- 3) print(" "\*(n-i),(str(i)+" ")\*i)
- 4) print()

### Pattern-26:

```
1
12
123
1234
12345
123456
1234567
12345678
123456789
```

```
1) n=int(input("Enter the number of rows: "))
```

```
2) for i in range(1,n+1):
```

- 4) for j in range(1,i+1):
- 6) print()

#### Pattern-27:

A B

В

CCC

DDDD

EEEEE

**FFFFF** 

GGGGGGH

нннннн



```
    n=int(input("Enter the number of rows: "))
    for i in range(1,n+1):
    print(" "*(n-i),(chr(64+i)+" ")*i)
    print()
```

#### Pattern-28:

```
ΑΑ
        В
     ABCA
      BCD
    ABCDE
   ABCDEF
 ABCDEFGA
  BCDEFGH
ABCDEFGHI
ABCDEFGHIJ
  1) n=int(input("Enter the number of rows: "))
  2) for i in range(1,n+1):
  3)
       print(" "*(n-i),end="")
  4)
      for j in range(1,i+1):
         print(chr(64+j),end=" ")
  5)
  6) print()
```

#### Pattern-29:

```
* * * * *

* * *

* *

1) n=int(input("Enter the number of rows: "))

3) print(" "*(i-1),"* "*(n+1-i))
```

#### Pattern-30:

```
55555
4444
333
22
```



```
1) n=int(input("Enter the number of rows: "))

3) print(" "*(i-1),(str(n+1-i)+" ")*(n+1-i))
```

#### Pattern-31:

```
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
1) n=int(input("Enter the number of rows: "))
2) for i in range(1,n+1):
3) print(" "*(i-1),end="")
4) for j in range(1,n+2-i):
5) print(j,end=" ")
6) print()
```

#### Pattern-32:

```
EEEEE
DDDD
CCC
BB
A

1) n=int(input("Enter the number of rows: "))

3) print(" "*(i-1),(str(chr(65+n-i))+" ")*(n+1-i))
```

#### Pattern-33:

```
A B C D E

A B C D

A B C

A B

A

1) n=int(input("Enter the number of rows: "))
2) for i in range(1,n+1):
3) print(" "*(i-1),end="")
4) for j in range(65,66+n-i):
5) print(chr(j),end="")
6) print()
```



## Pattern-34:

```
*

***

***

****

*****

1) n=int(input("Enter the number of rows: "))

3) print(" "*(n-i),"* "*(2*i-1))
```

### Pattern-35:

```
1
222
33333
444444
5555555

1) n=int(input("Enter the number of rows: "))

3) print(" "*(n-i),(str(i)+" ")*(2*i-1))
```

## Pattern-36:

```
A
BBB
CCCCC
DDDDDD
EEEEEEEEE

1) n=int(input("Enter the number of rows: "))

3) print(" "*(n-i),(str(chr(64+i)+" "))*(2*i-1))
```

### Pattern-37:

```
A
CCC
EEEEE
GGGGGG
IIIIII|||II
```



```
1) n=int(input("Enter the number of rows: "))
```

```
3) print(" "*(n-i),(str(chr(64+2*i-1)+" "))*(2*i-1))
```

#### Pattern-38:

```
1
123
12345
12345
1234567
123456789

1) n=int(input("Enter the number of rows: "))
2) for i in range(1,n+1):
3) print(" "*(n-i),end="")
4) for j in range(1,2*i):
5) print(j,end=" ")
6) print()
```

#### Pattern-39:

```
1
321
54321
7654321
987654321

1) n=int(input("Enter the number of rows: "))
2) for i in range(1,n+1):
3) print(" "*(n-i),end="")
4) for j in range(2*i-1,0,-1):
5) print(j,end="")
6) print()
```

#### Pattern-40:

```
A
ABC
ABCDE
ABCDEFG
ABCDEFG
ABCDEFGHI

1) n=int(input("Enter the number of rows: "))
2) for i in range(1,n+1):
3)  print(" "*(n-i),end="")
4) for j in range(65,65+2*i-1):
```



5) print(chr(j),end=" ")

#### Pattern-41:

```
A
CBA
EDCBA
GFEDCBA
IHGFEDCBA

1) n=int(input("Enter the number of rows: "))
2) for i in range(1,n+1):
3) print(" "*(n-i),end="")
4) for j in range(65+2*i-2,64,-1):
5) print(chr(j),end=" ")
6) print()
```

#### Pattern-42:

```
0
101
21012
3210123
432101234
```

```
1) n=int(input("Enter the number of rows: "))
2) for i in range(1,n+1):
3)    print(" "*(n-i),end="")
4)    for j in range(1,i):
5)    print(i-j,end=" ")
6)    for k in range(0,i):
7)    print(k,end=" ")
8)    print()
```

#### Pattern-43:

```
A
BAB
CBABC
DCBABCD
EDCBABCDE

1) n=int(input("Enter the number of rows: "))

3) print(" "*(n-i),end="")
```



```
    4) for j in range(1,i):
    5) print(chr(i-j+65),end=" ")
    6) for k in range(0,i):
    7) print(chr(k+65),end=" ")
    8) print()
```

#### Pattern-44:

```
1
   121
  12321
1234321
123454321
   1) n=int(input("Enter the number of rows: "))
   2) for i in range(1,n+1):
        print(" "*(n-i),end="")
   3)
   4) for j in range(1,i+1):
   5)
           print(j,end=" ")
   6)
        for k in range(i-1,0,-1):
           print(k,end=" ")
   7)
   8)
        print()
```

#### Pattern-45:

```
Α
   ABA
 ABCAB
 ABCDABC
ABCDEABCD
   1) n=int(input("Enter the number of rows: "))
   2) for i in range(1,n+1):
        print(" "*(n-i),end="")
   3)
   4) for j in range(1,i+1):
   5)
          print(chr(64+j),end=" ")
   6)
        for k in range(1,i):
          print(chr(64+k),end=" ")
   7)
   8)
        print()
```

#### Pattern-46:

```
1) n=int(input("Enter a number:"))
2) for i in range(1,n+1):
3) print(" "*(n-i),end="")
4) for j in range(1,i+1):
```



```
5) print(n+1-j,end=" ")
```

```
5
54
543
5432
54321
```

#### Pattern-47:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3)    print(" "*(i-1),end="")
4)    for j in range(1,num+2-i):
5)    print("*",end=" ")
6)    for k in range(1,num+1-i):
7)    print("*",end=" ")
8)    print()

* * * * * * * *

* * * * * * *

* * * * * * *
```

#### Pattern-48:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(0,num+1-i):
5) print(num+1-i,end=" ")
6) for k in range(1,num+1-i):
7) print(num+1-i,end=" ")
8) print()

5 5 5 5 5 5 5 5 5
4 4 4 4 4 4 4 4
```

```
33333
222
1
```



### Pattern-49:

```
1) num=int(input("Enter a number:"))
   2) for i in range(1,num+1):
        print(" "*(i-1),end="")
   3)
   4) for j in range(0,num+1-i):
   5)
          print(2*num+1-2*i,end=" ")
   6)
        for k in range(1,num+1-i):
   7)
          print(2*num+1-2*i,end=" ")
  8) print()
99999999
 777777
 55555
  333
   1
```

#### Pattern-50:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+2-i):
5) print(j,end=" ")
6) for k in range(2,num+2-i):
7) print(num+k-i,end=" ")
8) print()

1234567
```

1234567 12345 123 1

#### Pattern-51:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+2-i):
5) print(chr(65+num-i),end="")
6) for k in range(2,num+2-i):
7) print(chr(65+num-i),end="")
8) print()
```



```
EEEEEEEE

DDDDDDD

CCCCC

BBB

A
```

#### Pattern-52:

```
1) num=int(input("Enter a number:"))
  2) for i in range(1,num+1):
  3)
       print(" "*(i-1),end="")
  4) for j in range(1,num+2-i):
  5)
         print(chr(65+2*num-2*i),end=" ")
  6)
       for k in range(2,num+2-i):
  7)
         print(chr(65+2*num-2*i),end=" ")
  8) print()
GGGGGGG
   EEEEE
    C
      Α
```

#### Pattern-53:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+2-i):
5) print(chr(64+j),end=" ")
6) for k in range(2,num+2-i):
7) print(chr(68+k-i),end=" ")
8) print()

A B C D E F G
A B C D E
```

#### Pattern-54:

A B C

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(1,i+1):
5) print(j,end="")
```



```
print()
 7) for k in range(1,num):
      print(" "*k,end="")
 9)
      for I in range(1,num+1-k):
 10)
        print(l,end=" ")
 11) print()
   1
   12
 123
 1234
12345
 1234
  123
   12
   1
```

#### Pattern-55:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
      print(" "*(num-i),end="")
3)
4) for j in range(1,i+1):
5)
        print("*",end=" ")
6)
      print()
7) for k in range(1,num):
      print(" "*k,end="")
8)
9)
      for I in range(1,num+1-k):
10)
        print("*",end=" ")
11)
      print()
```

#### Pattern-56:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(1,i+1):
```



```
5)
        print(num-j,end=" ")
 6)
      print()
 7) for k in range(1,num):
      print(" "*k,end="")
 9)
      for I in range(1,num+1-k):
 10)
        print(num-l,end=" ")
 11)
      print()
   4
   43
 432
4321
43210
 4321
  432
   43
    4
```

#### Pattern-57:

```
 num=int(input("Enter a number:"))

 2) for i in range(1,num+1):
 3)
       print(" "*(num-i),end="")
 4)
       for j in range(0,i):
  5)
         print(num+j-i,end=" ")
 6)
       print()
 7) for k in range(1,num):
       print(" "*k,end="")
 8)
 9)
       for I in range(1,num+1-k):
 10)
         print(l+k-1,end=" ")
 11)
       print()
  3
  23
123
0123
 123
  23
  3
```

### Pattern-58:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(0,i):
5) print(cnr(65+num+j-i),end="")
```



```
print()
7) for k in range(1,num):
     print(" "*k,end="")
9)
     for I in range(0,num-k):
       print(chr(65+k+l),end=" ")
10)
11) print()
  E D
   Ε
 CDEB
 CDE
ABCDE
BCDE
 CDE
  DΕ
   Ε
```

#### Pattern-59:

#### Pattern-60:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) for j in range(1,i+1):
4) print(num-j,end="")
5) print()
6) for a in range(1,num+1):
7) for k in range(1,num+1-a):
```



```
9) print()
4
43
432
4321
43210
4321
432
432
```

#### Pattern-61:

```
1) num=int(input("Enter a number:"))
   2) for i in range(1,num+1):
   3)
         for j in range(1,i+1):
           print(num-i+j-1,end=" ")
   4)
   5)
         print()
   6) for a in range(1,num+1):
   7)
         for k in range(0,num-a):
   8)
           print(k+a,end=" ")
   9)
          print()
4
3 4
234
1234
```

Pattern-62:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) for j in range(1,i+1):
4) print(chr(65+num-i),end="")
5) print()
6) for a in range(1,num+1):
7) for k in range(0,num-a):
8) print(chr(65+a),end="")
print()
```



```
E
DD
CCC
BBBB
AAAAA
BBBB
CCC
DD
```

### Pattern-63:

```
1) for i in range(1,num+1):
   2) for j in range(1,i+1):
           print(chr(65+num-j),end=" ")
   3)
   4)
         print()
   5) for a in range(1,num+1):
   6) for k in range(num-a,0,-1):
   7)
           print(chr(64+k+a),end=" ")
   8)
   9) num=int(input("Enter a number:"))
Ε
E D
E D C
EDCB
```

## Pattern-64:

EDCBA EDCB EDC ED E

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) for j in range(1,i+1):
4) print(chr(64+num-i+j),end="")
5) print()
6) for a in range(1,num+1):
7) for k in range(1,num-a+1):
8) print(chr(64+k+a),end="")
9) print()
```



```
Ε
DΕ
CDE
BCDE
ABCDE
BCDE
CDE
DΕ
Ε
```

#### Pattern-65:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
     print(" "*(num-i),end="")
3)
4)
     for j in range(1,i+1):
        print("*",end=" ")
5)
     print()
```

#### Pattern-66:

```
 num=int(input("Enter a number:"))

   2) for i in range(1,num+1):
   3)
         print(" "*(num-i),end="")
   4)
        for j in range(1,i+1):
   5)
           print(i,end=" ")
        print()
   1
  22
  333
4444
55555
```

#### Pattern-67:

```
1) num=int(input("Enter a number:"))
```

```
| print(" "*(num-i),end="")
```



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

1
12
123
1234
12345
```

#### Pattern-68:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(1,1+i):
5) print(chr(64+i),end="")
6) print()

A B
B
C C C
D D D D
E E E E E
```

#### Pattern-69:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(1,1+i):
5) print(chr(64+j),end=" ")
6) print()

A
A B A
B C
A B C D
```

#### Pattern-70:

ABCDE

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+2-i):
```



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

****

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```

#### Pattern-71:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+2-i):
5) print(num-i+1,end="")
6) print()

5 5 5 5 5
4 4 4 4
3 3 3
2 2
1
```

#### Pattern-72:

#### Pattern-73:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+2-i):
5) print(chr(65+num-i),end="")
6) print(j)
```



```
EEEEE
DDDD
CCC
BB
A
```

#### Pattern-74:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+2-i):
5) print(chr(65+num+1-i-j),end=" ")
6) print()

E D C B A

D C B A C

B A

B A

A
```

#### Pattern-75:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+2-i):
5) print(chr(64+j),end="")
6) print()

A B C D E
A B C D A
B C
```

# Pattern-76:

ΑВ

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(1,i+1):
5) print("*",end=" ")
6) print()
7) for p in range(1,num):
8) print(" *p,end=" )
```



#### Pattern-77:

```
1) num=int(input("Enter a number:"))
  2) for i in range(1,num+1):
        print(" "*(num-i),end="")
  3)
  4)
        for j in range(1,i+1):
  5)
          print(i,end=" ")
  6)
        print()
  7) for p in range(1,num):
  8)
        print(" "*p,end="")
  9)
        for q in range(1,num+1-p):
  10)
          print(num-p,end=" ")
  11)
        print()
 1
 22
333
4444
55555
4444
333
 2 2
 1
```

### Pattern-78:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(1,i+1):
5) print(j,end=" ")
6) print()
7) for p in range(1,num):
```



```
8)
       print(" "*p,end="")
  9)
       for q in range(1,num+1-p):
  10)
         print(q+p,end=" ")
       print()
  11)
 1
 12
123
1234
12345
2345
345
 45
 5
```

### Pattern-79:

```
1) num=int(input("Enter a number:"))
  2) for i in range(1,num+1):
  3)
        print(" "*(num-i),end="")
  4)
        for j in range(1,i+1):
   5)
          print(j,end=" ")
   6)
        print()
  7) for p in range(1,num):
  9)
        for q in range(1,num+1-p):
  10)
          print(q,end=" ")
        print()
  11)
   1
  12
 123
1234
12345
 1234
 123
  12
   1
```

## Pattern-80:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(1,i+1):
5) print(chr(64+i),end="")
6) print()
```



```
7) for p in range(1,num):
        print(" "*p,end="")
   9)
        for q in range(1,num+1-p):
   10)
          print(chr(64+num-p),end=" ")
  11)
        print()
   ΑВ
   В
 CCC
DDDD
EEEEE
DDDD
 CCC
  ВВ
   Α
```

#### Pattern-81:

```
1) num=int(input("Enter a number:"))
   2) for i in range(1,num+1):
   3)
        print(" "*(num-i),end="")
   4) for j in range(1,i+1):
          print(chr(64+j),end=" ")
   5)
   6)
        print()
   7) for p in range(1,num):
        print(" "*p,end="")
   8)
   9)
        for q in range(1,num+1-p):
   10)
          print(chr(64+q+p),end=" ")
        print()
   11)
   ΑА
   В
 ABCA
 BCD
ABCDE
BCDE
 CDE
 DEE
```

### Pattern-82:

```
1) n=int(input("Enter a number:"))
2) for i in range(1,n+1):
3) print(" "*(n-i),end="")
4) for j in range(1,i+1):
5) print(n-i+j,end=" ")
```



```
6)
       for k in range(2,i+1):
  7)
         print(n+1-k,end=" ")
  8)
       print()
  9) for i in range(1,n+1):
  11)
       for j in range(1+i,n+1):
  12)
         print(j,end=" ")
  13)
       for k in range(2,n+1-i):
  14)
         print(n+1-k,end=" ")
  15)
       print()
   5
  454
 34543
2345432
123454321
2345432
 34543
  454
   5
```

### Pattern-83:

```
1) while True:
  2)
        n=int(input("Enter a number:"))
  3)
         for i in range(1,n+1):
           print(" "*(n-i),end="")
   4)
   5)
           for j in range(1,i+1):
   6)
             print(n+1-j,end=" ")
   7)
           for k in range(2,i+1):
  8)
             print(n-i+k,end=" ")
   9)
           print()
  10) for i in range(1,n+1):
           print(" "*i,end="")
  11)
  12)
           for j in range(1,n+1-i):
  13)
             print(n+1-j,end=" ")
   14)
           for k in range(2,n+1-i):
  15)
             print(i+k,end=" ")
  16)
           print()
     5
   545
  54345
 5432345
543212345
 5432345
  5 4 3 4 5
   5 4 5
```



5

### Pattern-84:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
      print(" "*(num-i),end="")
3)
4)
      for j in range(i,i+1):
        print("*",end=" ")
5)
6)
        if i>=2:
7)
          print(" "*(2*i-4),end="")
8)
          for k in range(i,i+1):
            print("*",end=" ")
9)
     print()
10)
```

## Pattern-85:

```
1) num=int(input("Enter a number:"))
 2) for i in range(1,num+1):
       print(" "*(num-i),end="")
 3)
 4) for j in range(i,i+1):
 5)
         print(i,end=" ")
       if i>=2:
 6)
           print(" "*(2*i-4),end="")
 7)
 8)
           for k in range(i,i+1):
 9)
              print(i,end=" ")
 10) print()
1
```

```
-
22
3 3
4 4
5 5
```

#### Pattern-86:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(num-i),end="")
4) for j in range(i,i+1):
```



```
5)
           print(num+1-i,end=" ")
   6)
           if i>=2:
             print(" "*(2*i-4),end="")
   7)
   8)
             for k in range(i,i+1):
  9)
               print(num+1-i,end=" ")
        print()
  10)
 5
44
3 3
2
    2
```

### Pattern-87:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3)
      print(" "*(num-i),end="")
4)
   for j in range(i,i+1):
5)
        print(chr(64+num+1-i),end=" ")
6)
          print(" "*(2*i-4),end="")
7)
8)
          for k in range(i,i+1):
             print(chr(64+num+1-i),end=" ")
9)
      print()
10)
```

```
E
DD
C CB
B
```

### Pattern-88:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
      print(" "*(num-i),end="")
3)
4)
    for j in range(i,i+1):
        print(chr(64+i),end=" ")
5)
6)
        if i>=2:
7)
          print(" "*(2*i-4),end="")
8)
          for k in range(i,i+1):
9)
                print(chr(64+i),end=" ")
10) print()
```



```
ΑВ
 В
C
  Ε
Ε
```

# Pattern-89:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3)
      print(" "*(i-1),end="")
4) for j in range(i,i+1):
5)
        print("*",end=" ")
        if i<=4:
6)
7)
          print(" "*(2*num-2*i-2),end="")
8)
          for k in range(i,i+1):
9)
            print("*",end=" ")
10) print()
```

# Pattern-90:

1

44 5

```
1) num=int(input("Enter a number:"))
  2) for i in range(1,num+1):
        print(" "*(i-1),end="")
  3)
  4) for j in range(i,i+1):
  5)
           print(i,end=" ")
  6)
          if i<num:
            print(" "*(2*num-2*i-2),end="")
  7)
  8)
            for k in range(i,i+1):
               print(i,end=" ")
  9)
  10) print()
    1
2
    2
```



### Pattern-91:

```
1) num=int(input("Enter a number:"))
   2) for i in range(1,num+1):
         print(" "*(i-1),end="")
   3)
   4) for j in range(i,i+1):
           print(num-i+1,end=" ")
   5)
   6)
   7)
             print(" "*(2*num-2*i-2),end="")
             for k in range(i,i+1):
   8)
               print(num-i+1,end=" ")
   9)
   10) print()
5
     5
4
     4
3 3
 22
  1
```

### Pattern-92:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
      print(" "*(i-1),end="")
3)
4) for j in range(i,i+1):
        print(chr(64+num-i+1),end=" ")
5)
6)
7)
          print(" "*(2*num-2*i-2),end="")
8)
          for k in range(i,i+1):
9)
            print(chr(64+num-i+1),end=" ")
10) print()
 Ε
D
```

E E
D D
C C
B B

### Pattern-93:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(i,i+1):
5) print(chr(64+i),end="")
6) if i<=4:
```



### Pattern-94:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
3) print(" "*(i-1),end="")
4) for j in range(1,num+1):
5) print("*",end="")
6) print()

* * * * *

* * * * *
```

# Pattern-95:



### Pattern-96:

```
1) n=int(input("Enter a number:"))
   2) for i in range(1,n+1):
   3)
        for j in range(1,i+1):
   4)
          if (i%2!=0 and j%2!=0 )or(i%2==0 and j%2==0):
   5)
            print("1",end=" ")
   6)
          else:
   7)
            print("0",end=" ")
  8) print()
1
01
101
0101
10101
010101
1010101
```

### Pattern-97:

```
1) num=int(input("Enter a number:"))
2) for i in range(1,num+1):
4)
     for j in range(1,i+1):
6١
     nrint()
/) Tor i in range(1,num+3):
9)
     for j in range(-1,i+1):
11)
     print()
     print(" "*(2*num-i).end="")
13)
     IVI J III I alige(-4,1+1).
⊥₩/
         16)
     print()
     print(" "*((2*num)),end="")
18)
19)
     print("* "*3)
```



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```

### Pattern-98:

```
1) num=int(input("Enter a number"))
2) for i in range(1,num+1):
      print(" "*(2*num-i),end="")
4) for j in range(1,i+1):
5)
       print("*",end=" ")
6)
     print()
7) for i in range(1,num+1):
     print(" "*(num-i),end="")
8)
9)
     for j in range(1,i+1):
10)
       print("*",end=" ")
     print(" "*(num-i),end="")
11)
12)
     for k in range(1,i+1):
       print("*",end=" ")
13)
14)
     print()
```



### Pattern-99:

# Pattern-100:

```
1) n=int(input("Enter a number:"))
2) for a in range(1,n+1,2):
3)
     for i in range(1,n+1):
        print(" "*(2*n-i-a),end="")
4)
5)
        for j in range(1,i+a):
6)
          print("*",end=" ")
7)
        print()
8) for b in range(1,n+1):
      print(" "*(n-2),end="")
9)
10) print("* "*3)
```



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