

Pattern 1:

```
# *
# **
# ***
# ****
# *****
# *****
```

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

Pattern 2:

```
# *****
# *****
# *****
# *****
# *****
# *****
# *****
```

```
r=int(input())
for i in range (1,r+1):
    for j in range (r+1-i):
        print("*",end="")
    print()
```

Pattern 3:

```
# 1
# 12
# 123
# 1234
# 12345
# 123456
```

```
r=int(input())
for i in range (1,r+1):
    for j in range (i):
        print(j+1,end="")
    print()
```

Pattern 4:

```
# 123456
# 12345
# 1234
# 123
# 12
# 1
```

```
r=int(input())
for i in range (1,r+1):
    for j in range (r+1-i):
        print(j+1,end="")
    print()
```

Pattern 5:

```
# 1      2      3      4      5      6
# 7      8      9      10     11
# 12     13     14     15
# 16     17     18
# 19     20
# 21
```

```
r=int(input())
c=1
for i in range (1,r+1):
    for j in range (r+1-i):
        print(c ,end=" ")
        c+=1
    print()
```

Pattern 6:

```
# 1
# 2      3
# 4      5      6
# 7      8      9      10
# 11     12     13     14     15
# 16     17     18     19     20     21
```

```
r=int(input())
c=1
for i in range (1,r+1):
    for j in range (i):
        print(c ,end=" ")
        c+=1
```

```
print()
```

Pattern 7:

```
# 1
# 22
# 333
# 4444
# 55555
# 666666
r=int(input())
for i in range (1,r+1):
    for j in range (i):
        print(i,end="")
    print()
```

Pattern 8:

```
# A
# BC
# DEF
# GHIJ
# KLMNO
# PQRSTU
r=int(input())
c=65
for i in range (1,r+1):
    for j in range (i):
        print(chr(c),end="")
        c+=1
    print()
```

Pattern 9:

```
#      *
#     **
#    ***
#   ****
#  *****
# *****
# *****
r=int(input())
for i in range (1,r+1):
    for j in range (r-i):
        print(" ",end="")
```

```

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

```

Pattern 10:

```

#      *      *
#     **     **
#    ***    ***
#   ****   ****
#  *****  *****
# *****
# *****

```

```

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

```

Pattern 11:

```

#      *
#     ***
#    *****
#   *****
#  *****
# *****
# *****

```

```

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

```

Pattern 12:

```
# *****
#      *****
#          *****
#              *****
#                  *****
#                      *****
#                          *****
```

```
r=int(input())
for i in range(1,r+1):
    for j in range(i-1):
        print(" ",end="")
    for j in range(r+1-i):
        print("*",end="")
    print()
```

Pattern 13:

```
#               *  
#           ***  
#       *****  
#   ****  
# *****  
# *****  
# *****  
# *****  
# *****  
# *****
```

```
r=int(input())
for i in range (1,r+1):
    for j in range (r-i):
        print(" ",end="")
    for j in range (i):
        print("*",end="")
    for j in range (i-1):
        print("*",end="")
    print()
for i in range (1,r+1):
    for j in range (i):
        print(" ",end="")
    for j in range (r-i):
        print("*",end="")
```

```

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

```

Pattern 14:

```

# *****

```

```

# *           *

```

```

# *           *

```

```

# *           *

```

```

# *****

```

```

r=int(input())
for i in range (r):
    print("*",end="")
print()
for i in range (1,r//2+2):
    if i%2==0:
        print("*",end="")
    else:
        print(" ",end="")
    for j in range (1,r-1):
        print(end=" ")
    print(end="")

```

```

if i%2==0:
    print("*",end="")
else:
    print(" ",end="")
print()

```

```

for i in range (r):
    print("*",end="")

```

Pattern 15:

1

23

456

7891

23456

789123

```
r=int(input())
```

```
c=1
```

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

```
    for j in range (i):
```

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

```
        if c<9:
```

```
            c+=1
```

```
        else:
```

```
            c=1
```

```
    print()
```