

3) $n=3$

```

      x
    x x x
  x x x x x
    x x x
      x
  
```

4) $n=5$

```

      x
    x x x
  x x x x x
    x x x
      x
  
```

1) for i in range(5)
for j in range

2) for i in range(5)
for j in range i
print(" ")
for j in range a
print('*')
 $a = a + 2$

1) $n=5$
 $j=1$

```

for i in range(n):
    print(" " * (n-i-1) + "*" + j)
    j = j + 2
  
```

```

      x
    x x x
  x x x x
    x x x
      x
  
```

2) $n=5$

```

for i in range(1, n+1, 2):
    print(" " * ((n-i)//2) + "*" * i)
for i in range(n-2, 0, -2):
    print(" " * ((n-i)//2) + "*" * i)
  
```

```

      x
    x x x
  x x x x x
    x x x
      x
  
```

3) $n=3$
 for i in range(m):
 for j in range(i+1):
 print("x", end=" ")
 print()

```

x
x x
x x x

```

for i in range(m):
 for j in range(m-i-1):
 print("x", end=" ")
 print()

4) $n=7$

for i in range(m):

 for j in range(n):

 if $i == j$ (or) $i + j == n - 1$:

 print("x", end=" ")

 else

 print(" ", end=" ")

 print()

```

x
x x
x x x
x x x x
x x x x x

```

for i

```

x x x x x x
x x
x
x
x x x x x

```

```

x
x x
x x
x
x

```


Pyramid:

a=1

```
for i in range(5, 0, -1):  
    for j in range(i):  
        print(" ", end=" ")  
    for k in range(a):  
        print("*", end=" ")  
    print()  
    a=a+2
```

```
x  
x x  
x x x  
x x  
x x
```

n=3

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

```
for i in range((n-1), 0, -1):  
    for j in range(i):  
        print(" ", end=" ")  
    print()
```

```
  x  
 x x x  
x x x x x  
  x x x  
   x
```

a=1

n=3

```
for i in range(n, 0, -1):  
    for j in range(i):  
        print(" ", end=" ")  
    for k in range(a):  
        print("*", end=" ")  
    print()  
    a=a+2
```

$a = a + 4$

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

for j in range(i):

print(' ', end=" ")

for k in range(a):

print("*", end=" ")

print()

$a = a - 2$