In [ ]:
```
for x in range(0,5,1):
    print("Hello World")
```

In [4]:
```
def shape(x,row,col):

    def square(row):

        for a in range(0,row,1):
            for b in range(0,row,1):
                print('*',end="")
            print()

    def rectangle(row,col):

        for a in range(0,row,1):
            for b in range(0,col,1):
                print('*',end="")
            print()

    if x==1:
        square(row)
    else:
        rectangle(row,col)

shape(2,2,3)
```

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

In [5]:
```
r=int(input("Enter no. of rows of the pyramid: "))
a=r-1
b=1

for x in range(0,r,1):
    for y in range(0,a,1):
        print(" ",end="")
    for z in range(0,b,1):
        print("*",end="")
    print("")
    a=a-1
    b=b+2
for w in range(0,(r*2)-1,1):
     print(w+1,end="")
```

```
Enter no. of rows of the pyramid: 4
   *
  ***
 *****
*******
1234567
```

In [1]:
```
def f(L1,L2):

    L3=[([0] * (len(L1)+1)) for x in range(0,2,1)]
    L3[0][0] = "add"
    L3[1][0] = "sub"

    x=0
    for c in range(1,len(L1)+1,1):
        L3[0][c] = L1[x]+L2[x]
        L3[1][c] = L1[x]-L2[x]
        x=x+1

    print("L1 = ",L1)
    print("L2 = ",L2)
    print("L3 = ",L3)


L1 = [1,1]
L2 = [2,2]

f(L1,L2)
```

```
L1 =  [1, 1]
L2 =  [2, 2]
L3 =  [['add', 3, 3], ['sub', -1, -1]]
```

In [21]:
```
x = 0
while(x<5):
    print("Hello World")
    x = x+1
```

```
Hello World
Hello World
Hello World
Hello World
Hello World
```

In [3]:
```
def f3(x,row,col):

    def f1(row,col):

        for a in range(1,row+1,1):
            for b in range(1,col+1,1):
                print('(',a,',',b,')',end="")
            print()

    def f2(row,col):

        for a in range(1,row+1,1):
            for b in range(1,col+1,1):
                print('(',-1*a,',',-1*b,')',end="")
            print()

    if x=="a":
        f1(row,col)
    elif x=="b":
        f2(row,col)

f3("a",3,1)
f3("b",3,1)
```

```
( 1 , 1 )
( 2 , 1 )
( 3 , 1 )
( -1 , -1 )
( -2 , -1 )
( -3 , -1 )
```

In [21]:
```
rows = int(input("Enter rows: "))
stars = (rows*2 - 1)
space = 0

for r in range(0,rows,1):
    print(r+1,end="")
    for y in range(0,space,1):
        print(" ",end="")
    for x in range(0,stars,1):
        print("*",end="")

    print()
    stars = stars - 2
    space = space + 1
```

```
Enter rows: 5
1*********
2  *******
3   *****
4    ***
5     *
```

In [2]:
```
def f(L):

    L1 = [ ([0]*(len(L[0]) + 1)) for x in range(0,2,1) ]
    L1[0][0] = "add"
    L1[1][0] = "sub"

    x=0
    for c in range(1,len(L[0])+1,1):
            L1[0][c] = L[0][x] + L[1][x]
            L1[1][c] = L[0][x] - L[1][x]
            x=x+1

    print("L = ",L)
    print("L1 =",L1)

L = [[1,1,1,1,1],[1,1,1,1,1]]
f(L)
```

```
L =  [[1, 1, 1, 1, 1], [1, 1, 1, 1, 1]]
L1 = [['add', 2, 2, 2, 2, 2], ['sub', 0, 0, 0, 0, 0]]
```