In [6]:
```python
rows = 4
for i in range(1, rows+1):
    for j in range(i, i+i):
        print(j, end=' ')
    print()
```

```
1
2 3
3 4 5
4 5 6 7
```

In [10]:
```python
rows = 4
for i in range(0, rows+1):
    for j in range(i, i+i , 1):
        print('*', end=' ')
    print()
```

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

In [11]:
```python
rows = 5
for i in range(0, rows):
    for j in range(rows-i , rows+1 , 1):
        print(j, end=' ')
    print()
```

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

In [25]:
```python
rows = 5
for i in range(0, rows):
    for j in range(rows-i ,0, -1):
        print(j,end=' ')
    print()
```

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

In [55]:
```python
rows = 5
for i in range(1, rows+1):
    for j in range(i ,rows,1):
        print(j,end=' ')
    print(" ")
for i in range(2,rows):
    for j in range(rows-i,rows):
        print(j,end=' ')
    print()
```

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

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

In [56]:
```python
string=str(input("Enter the  string:"))
count=0
for i in string:
    count=count+1
print("length is:")
print(count)
```

```
Enter string:madan
Length of the string is:
5
```

In [59]:
```python
string=str(input("Enter the  string:"))
count=0
c=0
for i in string:
    count=count+1
print("length is:")
print(count)

s= string.split()
for i in s:
    c=c+1
print("length is:")
print(c)
```

```
Enter the  string:madan gudigar
length is:
13
length is:
2
```

In [60]:
```python
def countOccurences(str, word):
    a = str.split(" ")
    count = 0
    for i in range(0, len(a)):
        if (word == a[i]):
            count = count + 1
    return count
string =str(input("enter the string"))
word =str(input("enter the word"))
print(countOccurences(string, word))
```

```
enter the stringmadan gudigar
enter the wordmadan
1
```

In [ ]: