In [16]:
```python
# Task 1: Write a Python program to find the largest of three numbers.
def largest(x,y,z):
    if x > y:
        print(x)
    elif y > z:
        print(y)
    else:
        print(z)

largest(78,578,9)
```

```
578
```

In [10]:
```python
#Task 2: Create a program that checks if a number is even or odd.
def oddEven(num):
    if num%2 == 0:
        print("even")
    else:
        print("odd")

oddEven(42)
```

```
even
```

In [114…
```python
# Task 3: Write a program that prints numbers from 1 to 100 but skips numbers di
def pr100(num):
    for x in range(num):
        if x%7 == 0:
            continue
        print(x,end=" ")
pr100(100)
```

```
1 2 3 4 5 6 8 9 10 11 12 13 15 16 17 18 19 20 22 23 24 25 26 27 29 30 31 32 33 34
36 37 38 39 40 41 43 44 45 46 47 48 50 51 52 53 54 55 57 58 59 60 61 62 64 65 66
67 68 69 71 72 73 74 75 76 78 79 80 81 82 83 85 86 87 88 89 90 92 93 94 95 96 97
99
```

In [1]:
```python
# Task 4: Write a program to print the multiplication table of a given number
def myTable(num):
    for x in range(1,11):
        print(f"{num} x {x} = {num*x}")

myTable(5)
```

```
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
```

In [54]:
```python
# Task 5: Write a program that uses a nested loop to print a right-angled triang

def myStars(num):
    for x in range(num):
        for y in range(num):
```

```
            if y > x:
                continue
            print("*", end=" ")
        print()

myStars(5)
```

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

In [62]:
```
# Task 6: Create a Python program that prints the following pattern using nested

def myNum1(num):
    for x in range(1,num):
        for y in range(1,num):
            if y > x:
                continue
            print(y, end=" ")
        print()

myNum1(5)
```

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

In [70]:
```
# Task 7: Create a Python program to check if a character entered by the user is
def isVowel(c):
    c = c.lower()
    if (c == "a" or c == "e" or c == "i" or c == "o" or c == "u"):
        print(f"{c} is vowel")
    else:
        print(f"{c} is consonent")
isVowel("r")
isVowel("e")
```

```
r is consonent
e is vowel
```

In [90]:
```
# Task 8. Write a Python program that generates a diamond pattern of stars

def myDia(num):
    for i in range (1 , num+1):
        stars = 2 * i - 1
        print ("*" * stars)

    for j in range (num - 1 , 0 , -1):
        stars = 2 * j - 1
        print("*" * stars)

myDia(5)
```

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

In [94]:
```python
# Task 9: Write a Python program to reverse the digits of a given number.
def myReverse(num):
    reversedNum = 0
    while num != 0:
        digit = num % 10
        reversedNum = reversedNum * 10 + digit
        num //= 10
    return reversedNum

myReverse(2134)
```

Out[94]: 4312

In [108…
```python
# Task 10. Create a Python program that generates the following pyramid pattern:

def pyramid(row):
    # Generating pattern
    for i in range(1,row+1):

        # for increasing pattern
        for j in range(1,i+1):
            print(j, end='')

        # for decreasing pattern
        for j in range(i-1,0,-1):
            print(j, end='')

        # Moving to next line
        print()

pyramid(4)
```

```
1
121
12321
1234321
```

In [ ]:

In [ ]: