In [2]:

```python
# Take two input from user and print that input using python
x = int(input("Enter a number :"))
y = int(input("Enter anyother number :"))
z = x + y
print("sum is: ",z)
print(type(z))
```

```
Enter a number :32
Enter anyother number :34
sum is:  66
<class 'int'>
```

In [3]:

```python
# Write a python program to add two number and print it.(Input should be take from user).
num1 = int(input("Enter a number :"))
num2 = int(input("Enter anyother number :"))
num3 = num1+num2
print("sum is: ", num3)
```

```
Enter a number :99
Enter anyother number :98
sum is:  197
```

In [8]:

```python
# Write a python program to check the inputted number is negative or positive.
if 22 >= 18:
    print("The number is positive")
else:
    print("The number is negative")
```

```
The number is positive
```

In [12]:

```python
# Write a python program to check the inputted number is positive negative or zero.
number = int(input("Enter a number: "))
if number >0:
    print("This number is positive")
elif number <0:
    print("This number is negative")
else:
    print("This number is zero")
```

```
Enter a number: 1
This number is positive
```

In [8]:

```python
# Write a python program to calculate the area of triangle.
a = int(input("Enter the first side of the triangle: "))
b = int(input("Enter the second side of the triangle: "))
c = int(input("Enter the third side of the triangle: "))
s = (a + b + c)/2 # semi perimeter
area = (s*(s-a)*(s-b)*(s-c) ** 0.5)
print("The area of the triangle: %0.2f "%area)
```

```
Enter the first side of the triangle: 89
Enter the second side of the triangle: 67
Enter the third side of the triangle: 56
The area of the triangle: 496940.50
```

In [22]:

```python
# Write a python program to check a number is even or odd.
number = int(input("Enter any number: "))
if number >= 45:
    print("number is even: ")
else:
    print("number is odd: ")
```

```
Enter any number: 65
number is even:
```

In [23]:

```python
# Write a python program to check that a user is eligible for vote or not.
age = int(input("Enter any number: "))
if age >= 18:
    print("He/she is eligible for voter")
else:
    print("He/she is not eligible for voter")
```

```
Enter any number: 17
He/she is not eligible for voter
```

```python
# Make a calculator using if-elif-else.(Perform all operation +,-,*,/,%).
num1 = int(input("Enter First Number: "))
num2 = int(input("Enter Second Number: "))

ch = input("Enter any of these char for specific operation +,-,*,/,%: ")
if ch == '+':
    result = num1 + num2
elif ch == '-':
    result = num1 - num2
elif ch == '*':
    result = num1 * num2
elif ch == '/':
    result = num1 / num2
elif ch == '%':
    result = num1 / num2
else:
    print("Input character is not recognized!")

print(num1, ch , num2, ":", result)
```

```
Enter First Number: 54
Enter Second Number: 87
Enter any of these char for specific operation +,-,*,/,%: %
54 % 87 : 0.6206896551724138
```

```python
# Write a python program to print all the natural number upto N.(value of N is imputed by user).
N = int(input("Please Enter any Number: "))

print("The List of Natural Numbers from 1", "to", N)

for i in range(1, N + 1):
    print (i, end = ' ')
```

```
Please Enter any Number: 15
The List of Natural Numbers from 1 to 15
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15
```

```python
# Write a python program to print first 10 natural number using while loop.
i = 1
while i < 11:
  print(i)
  i += 1
```

```
1
2
3
4
5
6
7
8
9
10
```

```python
# Suppose you run a loop from 1 to 10 but you print only 1 to 5.
for i in range(1,10):
    if i == 6:
        break
    else:
        print(i)
```

```
1
2
3
4
5
```

```python
# Suppose you run a loop from 1 to 10 but you print all number except 5.
for i in range(1,10):
    if i == 5:
        continue
    else:
        print(i)
```

```
1
2
3
4
6
7
8
9
```

```python
# Write a python program to print all even number from 1 to 20.
start = int(input("Enter the start of range: "))
end = int(input("Enter the end of range: "))
for i in range(start, end + 1):

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

```
Enter the start of range: 1
Enter the end of range: 20
2 4 6 8 10 12 14 16 18 20
```