**Adding two numbers**

num1 = 1.5

num2 = 6.3

# Add two numbers

sum = num1 + num2

# Display the sum

print('The sum is', sum)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Find Squareroot of a number**

num = 8

# To take the input from the user

#num = float(input('Enter a number: '))

num\_sqrt = num \*\* 0.5

print('The square root of is ' ,num\_sqrt)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Finding area of the triangle**

a = 5

b = 6

c = 7

# a = float(input('Enter first side: '))

# b = float(input('Enter second side: '))

# c = float(input('Enter third side: '))

# calculate the semi-perimeter

s = (a + b + c) / 2

# calculate the area

area = (s\*(s-a)\*(s-b)\*(s-c)) \*\* 0.5

print('The area of the triangle is ' , area)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Solving the quadratic equation**

# import complex math module

import cmath

a = 1

b = 5

c = 6

# calculate the discriminant

d = (b\*\*2) - (4\*a\*c)

# find two solutions

sol1 = (-b-cmath.sqrt(d))/(2\*a)

sol2 = (-b+cmath.sqrt(d))/(2\*a)

print('The solution are ',sol1,sol2)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Swapping two variables**

x = 5

y = 10

# To take inputs from the user

#x = input('Enter value of x: ')

#y = input('Enter value of y: ')

# create a temporary variable and swap the values

temp = x

x = y

y = temp

print('The value of x after swapping: ',x)

print('The value of y after swapping: ',y)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Converting temperature in celsius to fahrenheit**

celsius = 37.5

# calculate fahrenheit

fahrenheit = (celsius \* 1.8) + 32

print('Fahrenheit Value is ', fahrenheit)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*