1. PROGRAM TO PRINT “HELLO,WORLD”

# This program prints Hello, world!

print('Hello, world!')

1. PROGRAM TO ADD TWO NUMBERS

# This program adds two numbers

num1 = 1.5

num2 = 6.3

# Add two numbers

sum = float(num1) + float(num2)

# Display the sum

print('The sum of {0} and {1} is {2}'.format(num1, num2, sum))

1. PROGRAM TO FIND THE SQUAREROOT

# Python Program to calculate the square root

# Note: change this value for a different result

num = 8

# uncomment to take the input from the user

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

num\_sqrt = num \*\* 0.5

print('The square root of %0.3f is %0.3f'%(num ,num\_sqrt))

1. PROGRAM TO FIND AREA OF A TRIANGLE

# Python Program to find the area of triangle

a = 5

b = 6

c = 7

# Uncomment below to take inputs from the user

# 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 %0.2f' %area)

AND FINALLY A SIMPLE CALCULATOR……………..

''' Program make a simple calculator that can add, subtract, multiply and divide using functions '''

# define functions

def add(x, y):

"""This function adds two numbers"""

return x + y

def subtract(x, y):

"""This function subtracts two numbers"""

return x - y

def multiply(x, y):

"""This function multiplies two numbers"""

return x \* y

def divide(x, y):

"""This function divides two numbers"""

return x / y

# take input from the user

print("Select operation.")

print("1.Add")

print("2.Subtract")

print("3.Multiply")

print("4.Divide")

choice = input("Enter choice(1/2/3/4):")

num1 = int(input("Enter first number: "))

num2 = int(input("Enter second number: "))

if choice == '1':

print(num1,"+",num2,"=", add(num1,num2))

elif choice == '2':

print(num1,"-",num2,"=", subtract(num1,num2))

elif choice == '3':

print(num1,"\*",num2,"=", multiply(num1,num2))

elif choice == '4':

print(num1,"/",num2,"=", divide(num1,num2))

else:

print("Invalid input")