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In [1]:  #1.write a python program to print 'hello world'
         print('hellow world')

         hellow world

In [2]:  #2.write a python program to do addition and division.
         a=16
         b=2
         print('addition=',a+b)
         print('division value=',a/b)

         addition= 18
         division value= 8.0

In [3]:  #3.write a python program to find the area of the triangle
         a = float(input('Enter first side: '))          #taking input from users
         b = float(input('Enter second side: '))
         c = float(input('Enter third side: '))
         s=(a+b+c)/2  #calculation of semi-perimeter
         area=(s*(s-a)*(s-b)*(s-c))**0.5
         print('the area of the triangle',area)

         Enter first side: 12.3
         Enter second side: 7.3
         Enter third side: 9
         the area of the triangle 32.57391594512395

In [6]:  #4.write a python program to swap two variable.
         x='bag'
         y='cat'
         x,y=y,x
         print('After swaping the x and y variables are ',x,'and',y)

         After swaping the x and y variables are  cat and bag

In [16]: #5.write a python program to generate a random number
         import random
         x=random.random()   #here random takes no argument but randint takes two argument inside parentheses and ask for the highest
                             # and lowest point between which we want a random number eg.- y=random.randint(10,20)
         print(x)

         0.872414976319504

In [ ]:
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