1. Write a program that accepts the lengths of three sides of a triangle as inputs. The program output should indicate whether or not the triangle is a right triangle (Recall from the Pythagorean Theorem that in a right triangle, the square of one side equals the sum of

the squares of the other two sides).

base=float(input("Enter length of Base : "))

perp=float(input("Enter length of Perpendicular : "))

hypo=float(input("Enter length of Hypotenuse : "))

if hypo\*\*2==((base\*\*2)+(perp\*\*2)):

print("It's a right triangle")

else:

print("It's not a right triangle")

**OutPut**

Enter length of Base: 3

Enter length of Perpendicular: 4

Enter length of Hypotenuse: 5

It's a right triangle

**14)** Write a python program to define a module to find Fibonacci Numbers and import the module to another program.

**fibonacci.py**

# Fibonacci numbers module

def fib(n): # write Fibonacci series up to n

a, b = 0, 1

while b < n:

print(b, end =" ")

a, b = b, a+b

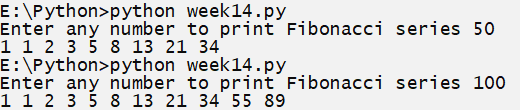
# import fibonacci module

import fibonacci

num=int(input("Enter any number to print Fibonacci series "))

fibonacci.fib(num)

**Output:**

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