**Short Assignment -1**

**Topic: Introduction to Python**

1. **Please Answer the following Questions (Do not copy from Google)**
2. Write a script to swap two variables without using a third variable?
3. What will be the output of the following code?

a,b,c=2,3,0

c,b=a,c+1

print(a,b,c)

3.What do you mean by multiple assignment? How can it be done in python?

4. What are different types of modes in python?

5. Write any four features of python

6. What is a keyword?

7. What do you understand about an object in python?

8. What are variables?

**II. Solve the Following Programs: (Do not copy from Google)**

* **Try below program and the send the screenshots of program along with Output**

1. **Write a python program to check whether the number is even or odd.**
2. **Take a list, say for example this one:**

a=[1,1,2,3,5,8,13,21,34,55,89]

And write a program that prints out all the elements of the list that are less than 5**.**

1. **What will be the output of the following**

Def function(x);

Return x\*\*2, x\*\*3

a,b=funcube(3)

print(a)

print(b)

1. **Write a python code to generate to generate FIbonacci series upto 200**
2. **Write a python program to display the prime number and if the number is not prime then print the factors number up to 1000.**