Department of Electrical Engineering Mid – Term Assignment Spring 2020 Date: 25/06/2020

Course Details

Course Title:	Programming Fundamentals	Module: _	02
Instructor:	sir waqas	Total Marks: _	50

Student Details

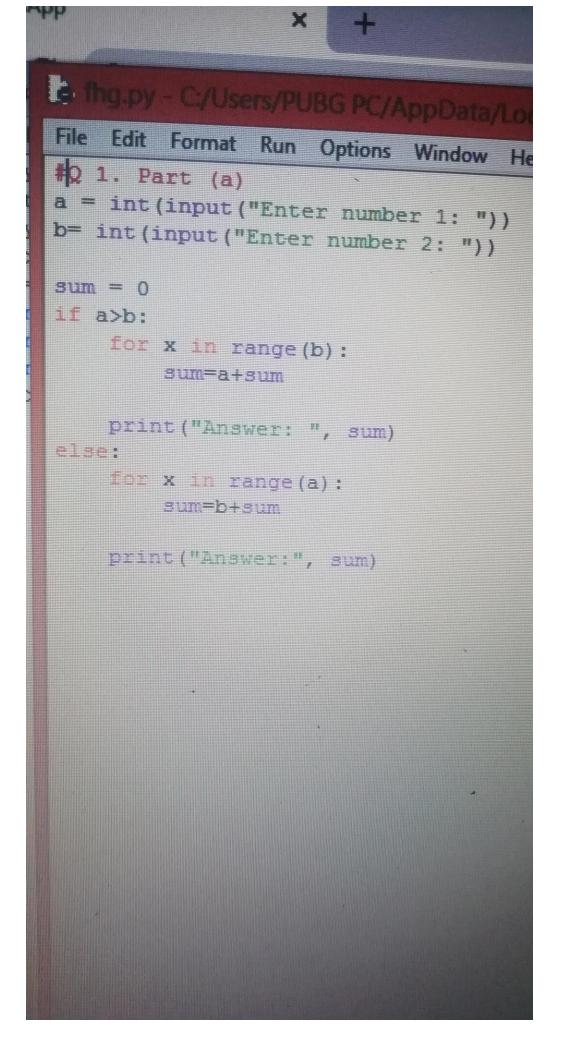
Name:	m Idrees khan	Student ID:	16431

Q1.	(a)	Write Python code that asks the user for two integer values, it must then add the largest number	Marks 5
		times the smallest. The output should be in the following manner.	CLO 1
		Enter Number 1 : 5	
		Enter Number 2 : 3	
		Answer = 5+5+5 = 15	
	(b)	You are asked to make a times table program in Python where a user will enter starting value,	Marks 5
		ending value and the value to find the times table for. For example	CLO 1
		Input Starting Value : 2	
		Input Ending Value : 4	
		Input Times Table : 4	
		$4 \ge 2 = 8$	
		$4 \ge 3 = 12$	
~ ~		4 x 4 = 16	
Q2.	(a)	Write programs in Python to make the following shapes using LOOPS,	Marks 14
		a) *****	CLO 1
		a) ***** ******	

		b) *	
		**	

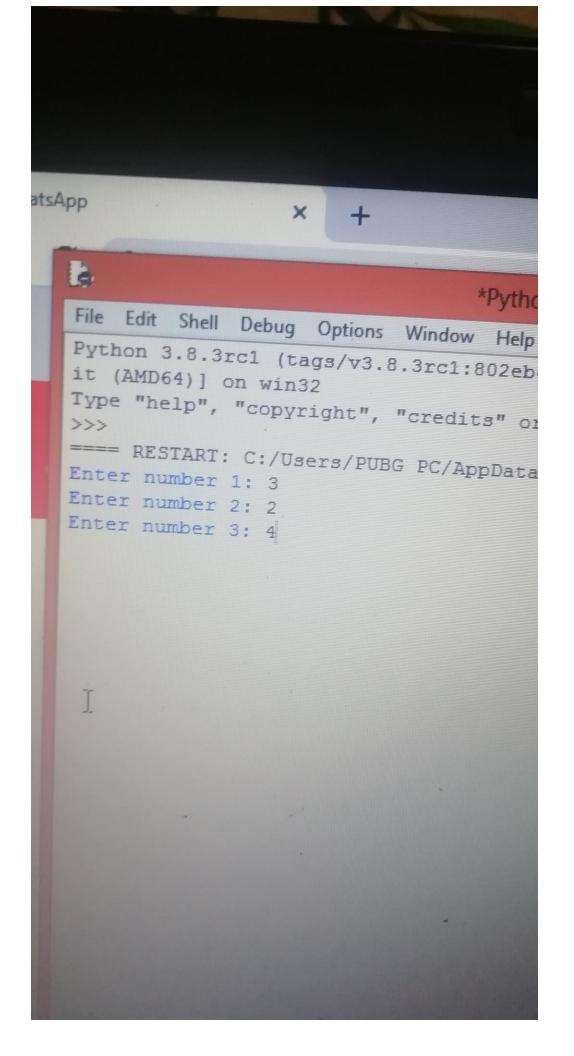
Q3.	(a)	Write a program in Python where a user is asked for 10 numbers, each number must be shown as	Marks 3
-		ODD or EVEN respectively.	CLO 1
	(b)	You have the following python code, draw the flow chart of the whole code	Marks 3
	, í	nterms = int(input("How many terms? "))	CLO 1
		n1, n2 = 0, 1	
		count = 0	
		if nterms <= 0:	
		print("Please enter a positive integer")	
		elif nterms == 1:	
		print("Fibonacci sequence upto", nterms, ":")	
		print(n1)	
		else:	
		print("Fibonacci sequence:")	
		while count < nterms:	
		print(n1)	
		nth = n1 + n2	
		n1 = n2	
		n2 = nth	

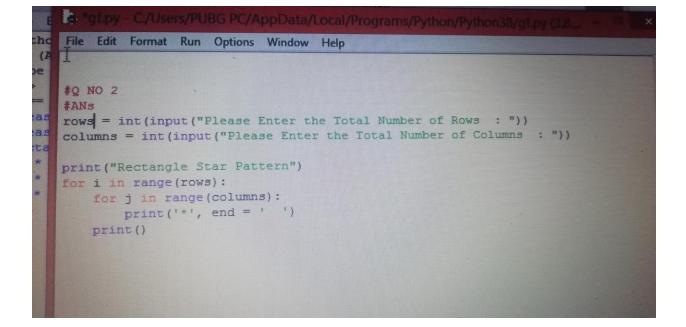
count += 1	

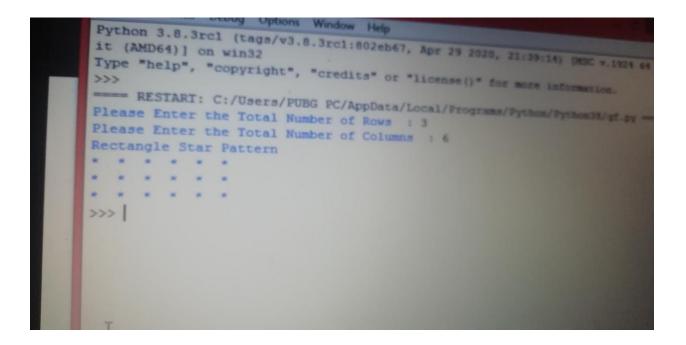


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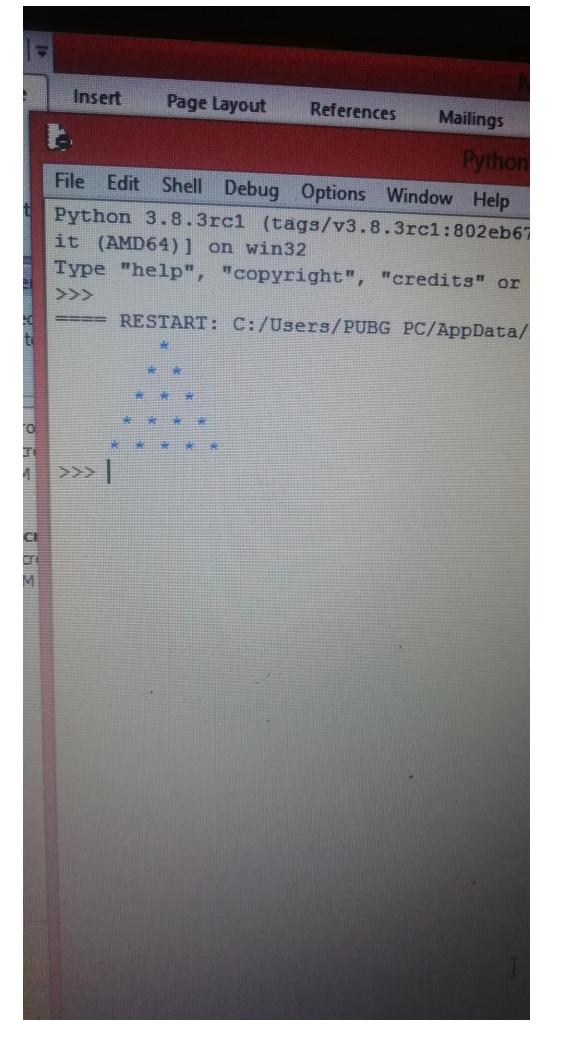
× -j-gf.py - C:/Users/PUBG PC/AppData/Local/Progra File Edit Format Run Options Window Help #Q.1 Part (b) startNum= int(input("Enter number 1: ")) endNum= int(input("Enter number 2: ")) tableNum= int(input("Enter number 3: ")) for x in range(startNum, endNum+1): ans = tableNum*x print(tableNum, "x", x, "=", ans)

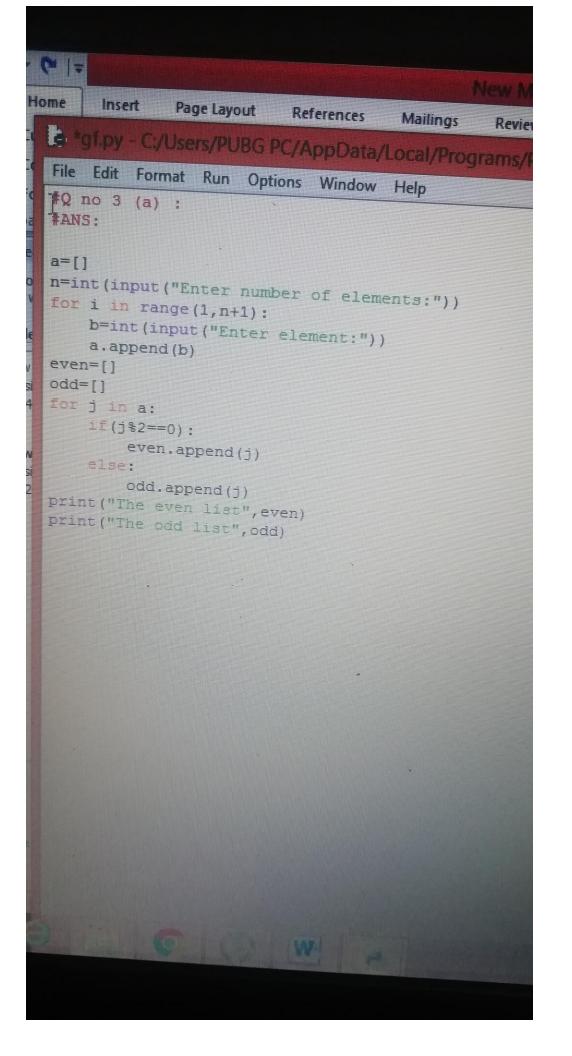


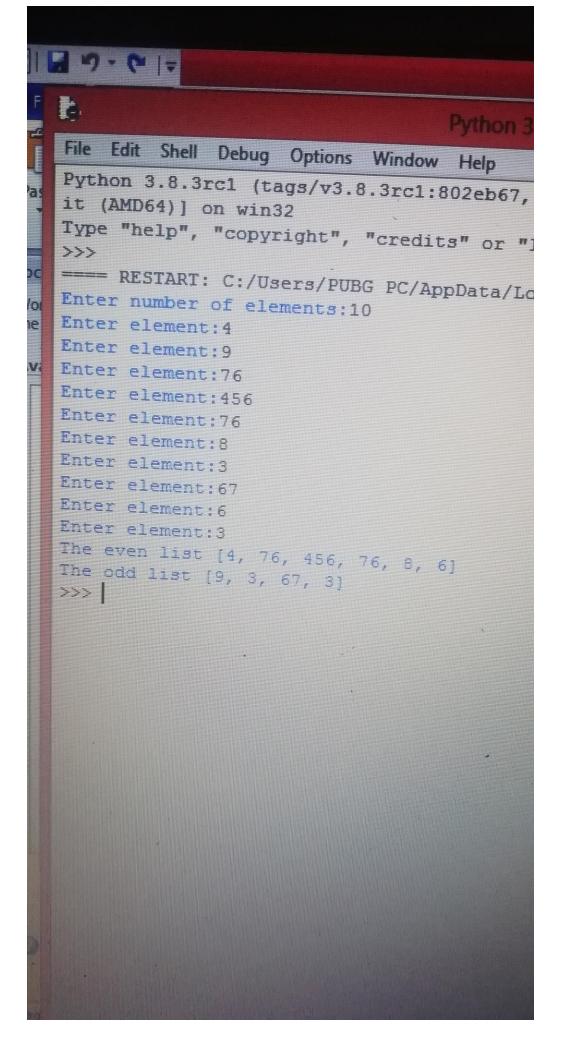




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 #Qno 2 :part b
 #ANS:
 def triangle(n):
     # number of spaces
     k = 2*n - 2
     # outer loop to handle number of rows
     for i in range(0, n):
         for j in range(0, k):
            print(end=" ")
         # decrementing k after each loop
         k = k - 1
         for j in range(0, i+1):
           . # printing stars
            print("* ", end="")
         # ending line after each row
         print ("\r")
 # Driver Code
 n = 5
 triangle(n)
```







Flow Chartel-(nterm: int (input ("now many term?"))) n1, n1=0,1 Counteo (nterm = 0) False Print "prese enter positive integer") ally nterms == 2 print ("Fibonaci Sequence upto "nterms;") Print (n1) print ("Fibonci lequance: ") Count Lateras Print (na) nth: n1=n1 NA=UTY Count += 1