Department of Electrical Engineering Mid – Term Assignment Spring 2020

Date: 25/06/2020

Course Details

Course Title:	Programming Fundamentals	Module: _	02
Instructor:	sir wagas	Total Marks:	50
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Student Details

 Name:
 Abdullah
 Student ID:
 16194

01	(a)	Write Duthen and that asks the user for two integer values, it must then add the largest number	Marks 5
Q1.	(a)	Write Python code that asks the user for two integer values, it must then add the largest number times the smallest. The output should be in the following manner.	
		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	
		$4 \times 2 = 8$	
		4 x 3 = 12 4 x 4 = 16	
Q2.	(a)	Write programs in Python to make the following shapes using LOOPS,	Marks 14
Q2.	(a)	write programs in 1 yellon to make the following shapes using LOOI 5,	CLO 1
		a) *****	CLO 1

		b) *	
		**	

02	(-)		Maulaa 2
Q3.	(a)	Write a program in Python where a user is asked for 10 numbers, each number must be shown as ODD or EVEN respectively.	Marks 3
	(1.)	2 7	CLO 1
	(b)	You have the following python code, draw the flow chart of the whole code	Marks 3
		nterms = int(input("How many terms? ")) n1, n2 = 0, 1	CLO 1
		$\lim_{n \to \infty} \frac{11}{n} = 0$, 1	
		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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File Edit Format Run Options Window He
#2 1. Part (a)
a = int(input("Enter number 1: "))
b= int(input("Enter number 2: "))
sum = 0
if a>b:
     for x in range (b):
         sum=a+sum
    print ("Answer: ", sum)
0130:
    for x in range(a):
        sum=b+sum
    print ("Answer:", sum)
```

b

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Python 3.8.3rc1 (tags/v3.8.3rc1 it (AMD64)] on win32

Type "help", "copyright", "credi

>>>

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Enter number 1: 4 Enter number 2: 3

Answer: 12

>>>

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#Q.1 Part (b)
startNum= int(input("Enter number 1: "))
endNum= int(input("Enter number 2: "))
tableNum= int(input("Enter number 3: "))
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for x in range(startNum, endNum+1):
    ans = tableNum*x
    print(tableNum, "x", x, "=", ans)
```

atsApp × B *Pyth File Edit Shell Debug Options Window Help Python 3.8.3rc1 (tags/v3.8.3rc1:802eb it (AMD64)] on win32 Type "help", "copyright", "credits" or ==== RESTART: C:/Users/PUBG PC/AppData Enter number 1: 3 Enter number 2: 2 Enter number 3: 4

```
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**Q NO 2

**ANs

rows = int(input("Please Enter the Total Number of Rows : "))

columns = int(input("Please Enter the Total Number of Columns : "))

print("Rectangle Star Pattern")

for i in range(rows):

for j in range(columns):
    print('*', end = ' ')

print()
```

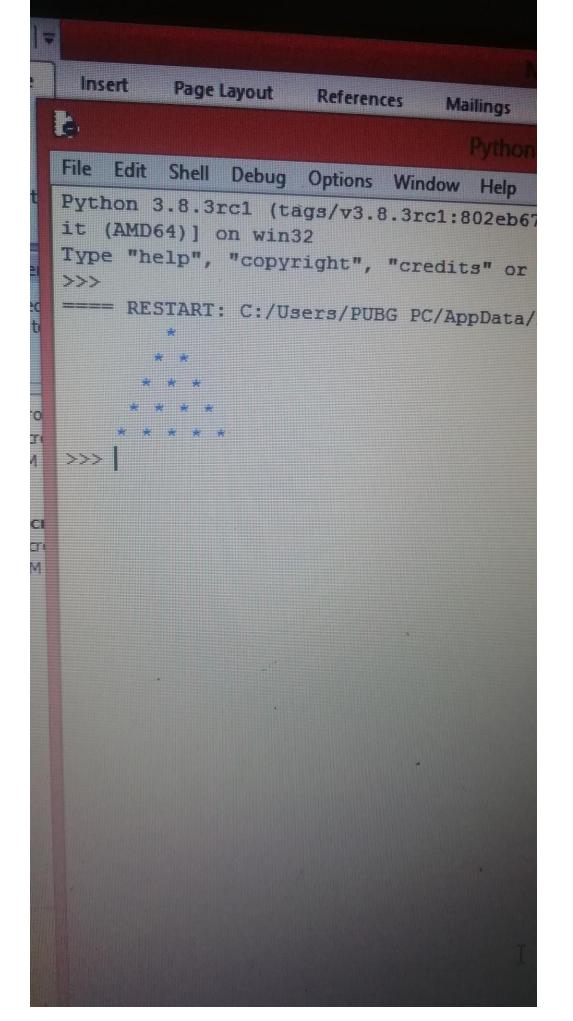
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it (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

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Review

gf.py - C:/Users/PUBG PC/AppData/Local/Programs/Pytr

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    Edit
#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)
```



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References

Mailings

Review

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*gf.py - C:/Users/PUBG PC/AppData/Local/Programs/
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File Edit Format Run Options Window Help
*Q no 3 (a) :
#ANS:
a=[]
n=int(input("Enter number of elements:"))
for i in range(1, n+1):
   b=int(input("Enter element:"))
    a.append(b)
even=[]
odd=[]
for j in a:
    if(j%2==0):
        even.append(j)
    else:
        odd.append(j)
print("The even list", even)
print ("The odd list", odd)
```

19 · (* | = Python File Edit Shell Debug Options Window Help Python 3.8.3rc1 (tags/v3.8.3rc1:802eb67, it (AMD64)] on win32 Type "help", "copyright", "credits" or "] >>> ==== RESTART: C:/Users/PUBG PC/AppData/Lo Œ Enter number of elements:10 loi Enter element: 4 1e Enter element:9 Enter element: 76 Enter element: 456 Enter element: 76 Enter element:8 Enter element:3 Enter element: 67 Enter element: 6 Enter element: 3 The even list [4, 76, 456, 76, 8, 6] The odd list [9, 3, 67, 3] >>>

