

Course Details

Course Title: Programming Fundamentals

Module: 02

Instructor: _____

Total Marks: 50

Student Details

Name: **alirazakhan12647** Student ID: _____

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 = 120	Marks 5 CLO 1
	(b)	You are asked to make a times table program in Python where a user will enter starting value, ending value and the value to find the times table for. For example Input Starting Value : 2 Input Ending Value : 4 Input Times Table : 4 4 x 2 = 8 4 x 3 = 12 4 x 4 = 16	Marks 5 CLO 1
Q2.	(a)	Write programs in Python to make the following shapes using LOOPS, a) ***** ***** ***** b) * ** *** **** *****	Marks 14 CLO 1
	(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 CLO 1
Q3.	(b)	You have the following python code, draw the flow chart of the whole code nterms = int(input("How many terms? ")) 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	Marks 3 CLO 1

①

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Q1

(a)

```
x = int(input("Enter first Number"))  
y = int(input("Enter 2nd Number"))
```

```
largest = max(x, y)
```

```
smallest = min(x, y)
```

```
sum = 0
```

```
for i in range(1, smallest)
```

```
sum = sum + largest
```

```
print("Sum of largest No times  
the smallest", sum)
```

②

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Q1
(b)

```
startvalue = int(input("Enter start value="))  
end value = int(input("Enter End value="))  
num = int(input("Enter timetable value"))  
for i in range(startvalue, end value)  
    print(num, 'x', i, '= "num*x")
```

③

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Q2
(a)

row = 3

```
for i in range(1, row+1)
```

```
for j in range(1, row+1)
```

```
    print("*", end=" ")
```

```
    print("\n")
```

```
print()
```

(4)

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Q2
(b)

```
def triangle(n):  
    k = 2 * n - 2  
    for i in range(0, n):  
        for j in range(0, k):  
            print(end=" ")  
            k = k - 1  
        for i in range(0, i + 1):  
            print("*" end=" ")  
        print("\n")  
    n = 5  
    triangle(n)
```

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Q2
(b)

Flow chart

