ASSIGNMENT-01

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BSE-20F-022

SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY SOFTWARE ENGINEERING DEPARTMENT

Fall 2020F

Programming Fundamentals (SWE-102) Assignment # 1

Semester: I **Batch: 2020**

Max Points: 05

Instructions:

- Attempt all questions
- Do not copy or cheat from any one, make your own effort. If any assignment found copied it will straight away be rejected.
- Take the help from internet or any other online sources is allowed. If the data has been taken from any online source, then please organize it properly, do not copy and paste exactly.
- There is no maximum page limit.
- Assignment should be in MS Word document. The Word file should be submitted by converting it to a single PDF file.
- Mention your full name and roll number on the first / front page. The page numbers must be mentioned at the right bottom corner in the whole assignment.
- The maximum font size for text is 12 and for heading is 14. The font could be Arial or the Time New Roman.

Question 1 **[2 points]**

Q: Calculate multiplication, division and subtraction using input function and conditional statements in such a way that the calculation must be initiative with your roll number.

Formulae: mul= number1 x number2 div= number1/number2
sub=number1-number2

Example:
#roll number= 2020f-SE-028
Number1= 20 number2=8
mul= 20 x 8

CODE:

```
#BSE-2020F-022
num1=20
num2=2
mul=num1*num2
print("Multiplication answer=",mul)
div=num1/num2
print("Division Answer=",div)
sub=num1-num2
```

```
print("Substraction Answer=",sub)
```

OUTPUT:

```
>>> %Run 'task 1.py'

  Multiplication answer= 40
  Division Answer= 10.0
  Substraction Answer= 18

>>>
```

Question 2 [3 points]

Write a program to display the table of your roll number using the concept of loops. Also use the concept of break to terminate the code if the user enters any other number instead of your roll number.

CODE:

```
#BSE-20F-022
roll=int(input("Enter roll number:"))
for i in range(1,11):
    if roll==22:
        print(roll,"x",i,"=",roll*i)
    else:
        break
```

OUTPUT:

```
>>> %Run 'Task 2.py'

  Enter roll number:22
  22 x 1 = 22
  22 x 2 = 44
  22 x 3 = 66
  22 x 4 = 88
  22 x 5 = 110
  22 x 6 = 132
  22 x 7 = 154
  22 x 8 = 176
  22 x 9 = 198
  22 x 10 = 220

>>>
```