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49733

BSCS-6

Lab Home Task: 01

Lab Task 1:

Write a code to print Hello World.

```
In [1]: print("Hello world")
```

```
Hello world
```

Lab Task 2:

Write a code to add, subtract, multiply and divide 2 numbers.

```
In [6]: # Program to add two numbers
num1 = 5.4
num2 = 10.2
sum = num1 + num2
print("The sum is:", sum)
```

The sum is: 15.6

```
In [7]: # Program to subtract two numbers
num1 = 5.4
num2 = 10.2
sum = num1 - num2
print("The subtraction is:", sum)
```

The sum is: -4.799999999999999

```
In [8]: # Program to multiply two numbers
num1 = 5.4
num2 = 10.2
sum = num1 * num2
print("The multiplication is:", sum)
```

The sum is: 55.08

```
In [9]: # Program to divide two numbers
num1 = 5.4
num2 = 10.2
sum = num2 / num1
print("The division is:", sum)
```

The sum is: 1.8888888888888886

Lab Task 3:

Write a code to print table of 5 using loops.

```
for i in range(1,11):
    print('5 *',i,' = ',5*i)
```

```
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
5 * 6 = 30
5 * 7 = 35
5 * 8 = 40
5 * 9 = 45
5 * 10 = 50
```

```
i = 1
while i <= 10:
    print('5 *', i, '=', 5 * i)
    i += 1
```

```
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
5 * 6 = 30
5 * 7 = 35
5 * 8 = 40
5 * 9 = 45
5 * 10 = 50
```

Lab Task 4:

Take a list of numbers and then find maximum and minimum.

```
In [18]: numb = []
for i in range(10):
    num = int(input(f"Enter number {i+1}: "))
    numb.append(num)
Minimum = min(numb)
Maximum = max(numb)
print("List of numbers:", numb)
print("Minimum number is:", Minimum)
print("Maximum number is:", Maximum)
```

```
Enter number 1: 15
Enter number 2: 34
Enter number 3: 88
Enter number 4: 93
Enter number 5: 05
Enter number 6: 31
Enter number 7: 71
Enter number 8: 62
Enter number 9: 27
Enter number 10: 97
List of numbers: [15, 34, 88, 93, 5, 31, 71, 62, 27, 97]
Minimum number is: 5
Maximum number is: 97
```

Lab Task 5:

Take an input string from a user and count number of vowels in it.

```
In [19]: Str= input("Enter a string: ")
vowels = "aeiouAEIOU"
count = 0
for char in Str:
    if char in vowels:
        count += 1
print("Total vowels are:", count)
```

```
Enter a string: Ayesha Zamurd
Total vowels are: 5
```

THE END...