

CS 104



LAB WEEK 03

1. Implement a calculator that retrieves two floating input numbers and an operation name (addition, subtraction, multiplication, division) from the user. It makes the calculation and prints the result as the output. For example, you can use the following code to retrieve floating number from the user.

```
number1 = float(input("Enter the first number: "))
```

2. Write a for loop to produce the following output:

```
100 81 64 49 36 25 16 9 4 1
```

3. Write a nested for loop to produce the following output:

```
1111
2222
3333
4444
```

Hint:

First, try this one:

```
*
**
***
```

Then, this one:

```
1111
2222
3333
4444
```

and combine.

4. Implement a program to produce the following output:

```
      *
    ***
  *****
*****
*****
*****
*****
*****
```

```
***  
*
```

5. Write nested for loops to produce the following outputs:

```
1  
2 3  
4 5 6  
7 8 9 10  
11 12 13 14 15
```

```
1  
2 3  
5 8 13  
21 34 55 89  
144 233 377 610 987
```