

## Midterm Lab Task 2

### Using Functions

#### Problem 1.

Create an  $n \times n$  Multiplication table using **Nested FOR Loop**. The user must enter the number of rows and columns that will be displayed in the Table.

##### Sample Output 1

```
How many rows:10
How many cols:10
      Multiplication Table

  1   2   3   4   5   6   7   8   9  10
  2   4   6   8  10  12  14  16  18  20
  3   6   9  12  15  18  21  24  27  30
  4   8  12  16  20  24  28  32  36  40
  5  10  15  20  25  30  35  40  45  50
  6  12  18  24  30  36  42  48  54  60
  7  14  21  28  35  42  49  56  63  70
  8  16  24  32  40  48  56  64  72  80
  9  18  27  36  45  54  63  72  81  90
 10  20  30  40  50  60  70  80  90 100
```

##### Sample Output 2.

```
How many rows:3
How many cols:5
      Multiplication Table

  1   2   3   4   5
  2   4   6   8  10
  3   6   9  12  15
```

**Problem 2. Create a bank program that will allow the user to perform the ff: Use Functions as necessary**

```
*****
      ABCCDE ATM
*****
1.Show Balance
2.Deposit
3.Withdraw
4.Exit
*****
```

```
Enter your choice (1-4): 1
*****
Your balance is $0.00
*****
```

```
*****
Enter your choice (1-4): 2
*****
Enter an amount to be deposited: 1000
*****
```

```
Enter your choice (1-4): 1
*****
Your balance is $1000.00
*****
```

```
Enter your choice (1-4): 3
*****
Enter amount to be withdrawn: 250
*****
```

```
*****
Enter your choice (1-4): 1
*****
Your balance is $750.00
*****
```