



## Computer Organization and Architecture

### Lab Task – 2 (Chapter-04)

Faculty: MD. NAZMUL HOSSAIN

#### 1. Write an Assembly Program to Swap Two numbers Entered by User:

**Sample Input:**  
Enter First Digit X: 5  
Enter Second Digit Y: 8  
**Sample Output:**  
The Swapped Values are:  
X= 8  
Y= 5

#### 2. Write an Assembly Program to Add Two Integers Entered by User. Each input should be greater than or equals to 5.

**Sample Input:**  
Enter First Digit: 5  
Enter Second Digit: 6  
**Sample Output:**  
The Sum is = 11

#### 3. Write an Assembly Program to print the following message:

“The Sum of 3 and 2 is 5 (using ADD). On the other hand, if we subtract 3 and 3, the result will be 1 (using SUB)”

In the sentence above the all the numbers will be user input and you should print the wholeline utilizing the value of those variables

#### 4. Write an Assembly Program to print the following pattern:

```
00000    9999999
0        0    9        9
0        0    9999999
0        0                9
00000    9999999
```