



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH

Faculty of Science and Information Technology

Department of Computer Science

CSC 2106 Computer Organization and Architecture

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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). However, if we multiply 3 and 2 the product will be 6 (using MUL). 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 whole line 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
```