

**EL2003**

**-**

**Computer**

**Organization**

**and**

**Assembly**

**Language**

**-**

**Lab**

**Lab Instructor: Abdul Qadeer Bilal**

**Section: BCS 3A**

**Semester: Fall 2022**

**Lab: 08**

**Roll Number:\_\_\_\_\_\_\_\_\_\_\_**

**Section:\_\_\_\_\_\_\_\_\_\_**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Note: Program all Questions on AFD and Put code + Screenshot in the Word File till end of Lab.**

1. Bubble sort subroutine called twice

data: dw 60, 55, 45, 50, 40, 35, 25, 30, 10, 0

data2: dw 328, 329, 898, 8923, 8293, 2345, 10, 877, 355, 98

dw 888, 533, 2000, 1020, 30, 200, 761, 167, 90, 5

1. Bubble sort subroutine taking parameters from stack

data: dw 88,47,0,-5,83,10,29,-30,2,64

data2: dw 328, 329, 898, 8923, 8293, 2345, 10, 877, 355, 98

dw 1024,88,351,743,994,125,753,852,1,81

1. Implement extended multiplication of the following numbers:

2430 and 674.

**Best of luck**