



Midterm (***CSE331.4 – Asif Ahmed Neloy_Fall'19***)

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Time 90 minutes, Marks 100 (You need to answer all questions).

Name -

ID -

1. Explain LEA and Offset [2]

2. What is the difference between Code Segment and .Code?[3]

3. Write down the Registers that are used for Memory Accessing with Example (Give example with all registers)
[10]

Programs:

1. Write a program in assembly language that can input a number and print whether the number is positive, negative or zero [20]

Example:

Enter a Number: 0

The integer is: Zero

2. Write a program in Assembly language that search for vowels inside a string. The string should be taken from the user. Once the vowels are found, your program should output the total number of vowels.

Example:

Please Enter a String: RACECAR

Total Number of Vowels in the String: 3

3. Write a program in assembly language that can Read Printing string using MOV instruction. [20]

Example:

Enter a String: Boring Lab

The integer is: Boring Lab

4. Write a program in assembly language that can read 2 integers and print the Sum of two integers. [20]

Example:

Enter Integer 1: 10

Enter Integer 2: 05

Sum of the Integers: 15