Quiz 1 ***(CSE331L.7 – Asif Ahmed Neloy\_Summer’20)***

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*Time 20 minutes, Marks 20 (You need to answer all questions).*

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1. **Why it is never a good idea to store any data in the segment registers?[5]**

**Because segment registers are supposed to hold addresses/locations. To be precise, it stores 20 bit pointers using 16 bits registers.**

**The data that reside in segment registers are always bound to be executed, so writing random data in register is never a good idea.**

1. **Write a program in Assembly language that will add 4 integer number (1,2,2,1) using only AX register and Store the result in the AX register.**

**org 100h**

**K1 EQU 1**

**K2 EQU 2**

**MOV AX,1**

**ADD AX,2**

**ADD AX,2**

**ADD AX,1**

**ret**

**End**