

**Midterm (CSE331L.10 – Asif Ahmed Nelay\_Fall'20)**

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*Time 90 minutes, Marks 50 (You need to answer all questions).***Submission Instructions:**

- Submit your .asm code along with full window screenshot in the “Solution” Folder.
- Rename your asm code according to question no.

1. Write a program in assembly language that can read 2 integers. The first integer must be greater than the second integer and both of them must be in the range of 0-9. Now compute the subtraction or difference.

**Example:**

```
Enter Integer 1: 4
Enter Integer 2: 2
Diff of the Integers: 2
```

2. Write a program in Assembly language that will read HEX digit from A to F. Convert the HEX into Decimal value and print it in the next line.

**Example:**

```
Enter HEX no from A to F : B
HEX converted to Decimal: 11
```

3. Write a program in assembly language that can input two numbers (1-digit integer) and print the largest one.

**Example:**

```
Enter a Number1: 4
Enter a Number2: 6
Largest one: 6
```

4. Write a program in assembly language that will show the following outputs. Use only loop.

```
*  
**  
***  
****  
*****
```

5. Write a program in assembly language to define an Array named "A" filled with values - 1,1,2,2,3,3. Now define another array named "B" and copy the element of "A" into "B".