**United International University (UIU)**

Dept. of Computer Science & Engineering (CSE)

Assemble Language Lab-09 Section: B

Trimester: 171 Teacher: Md. Ashraful Islam



Write assembly language codes for all three questions provided below.

1. WAP that will take n integer numbers into an array, and then sum up all the even indexed integers in that array.

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| **Sample input** | **Sample output** |
| 5  7 2 3 4 5 | 15 |
| 6  2 8 3 9 0 1 | 5 |

1. WAP that will take n integers into an array, and then search a number into that array. If found then print “FOUND”. If not found then print “NOT FOUND”.

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| **Sample input** | **Sample output** |
| 8  7 8 1 3 2 6 4 3  3 | FOUND |
| 8  7 8 1 3 2 6 4 3  5 | NOT FOUND |

1. WAP that will take inputs of a n sized square matrix into a 2D array. Now show all the elements of its two diagonals.

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| **Sample input** | **Sample output** |
| 5  1 2 3 4 5  5 4 3 2 1  2 2 2 2 2  6 7 8 9 0  1 9 3 7 4 | Major diagonal: 1 4 2 9 4  Minor diagonal: 5 2 2 7 1 |