



Sindh Madressatul Islam University (SMIU)

Program: BSCS (Even)

Subject: CSC 214 - CS4D Computer Organization and
Assembly Language

Instructor: Mustafa Ali Bamboat

Assignment – 1

Due Date: 08-May-2025

Q1. Compare the byte existing in BL register with all the bytes in an entire segment residing at 52ABH. Write an 8086-88 assembly language program that counts how many times the byte in BL is found in the said segment. Place that count in DI register.

Q2. Create a subroutine BCE that swaps the upper and lower bytes in SI register. Using this subroutine, swap the upper and lower bytes in a 64-element array. Base address of array is 5200H in the segment with segment address 3100H.

Instructions:

- Provide the hand written assignment
- Submission after the deadline will not be graded
- Do not use pencil in your solution