CSE341: Microprocessors
Lab Quiz - 1, Fall 2025
Total Marks: 5
Time: 25+ 5 minutes

Question-01

An employee earns a base salary S per month. Additionally, they get a commission **C%** on total sales **T**. Compute the total salary including commission.
You have to declare **S**, **C** and **T** as variables and store their values. Finally store the final monthly salary in another variable **SALARY**(Integer)**.**

Example: If S = 10000 tk, C = 30%, and T= 1200 tk, final salary = 10360 tk.

Question-02

In a mobile racing game, two players, Player A and Player B accidentally had their positions interchanged on the leaderboard due to a glitch. You need to swap their positions back without using any third variable in your game's code.

Write an Assembly program that stores the positions of both players in **two registers** and swaps them **without using any temporary variable or register.**

Incorrect position of
Player A = Last digit of your student ID
Player B = Second last digit of your student ID (if same, use third last digit)

After swapping the position of,
Player A = Second last digit of your student ID (if same, use third last digit)
Player B = Last digit of your student ID

Submission Form	https://forms.gle/QZ1b462BGrL8arQ78
Lab Template	w Assembly Template.docx
Naming Format	LQ1_05_StudentID