

CSE341: Microprocessors
Lab Quiz - 3, Fall 2025
Total Marks: 5
Time: 25+ 5 minutes

Question 01

A small digital counter system allows the user to continuously enter numbers one by one .The process should continue **until the user enters 0**, which acts as a stop signal. Your task is to **analyze each input number** and keep track of:

- How many numbers entered were **odd**.
- The **sum of all even numbers** entered.

When the user finally enters 0, the program should **display** both results.

[Your code should work for up to 2 digits.]

| Input | Output |
|---------------|------------------------------|
| 5, 8, 6, 9, 0 | Odd Count: 2 Even Sum: 14 |

Question 02

A **parking ticket machine** charges **\$90** for a full-day parking pass. The machine takes an amount from the user and decides whether they can park or need to add more money.

- If the inserted amount is **90 or more**, print "Parking Ticket Issued".
- If the inserted amount is **less than 90**, calculate the **remaining balance needed** and print "Insert X more", where X is the remaining amount.

| Input | Output |
|-------|-----------------------|
| 99 | Parking Ticket Issued |
| 75 | Insert 15 more |

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| Submission Form | https://forms.gle/75DwZ5femZZ6UDXC9 |
| Lab Template |  Assembly Template.docx |
| Naming Format | LQ3_05_StudentID |