SET - A

1. Write an assembly program where the first four digits (1234h) and last four digits (5678h) of a student ID are stored in memory. The task is to multiply these two hexadecimal values Example:

- If your student ID is 12345678, treat 1234 and 5678 as hexadecimal numbers.
- Multiply 1234h with 5678h

2. Initials in Reverse (Uppercase to Lowercase)

- Problem Statement: Write a program to:
    1. Prompt the user to enter three initials of a person's name in uppercase.
    2. Read the input.
    3. Display the initials in reverse order on separate lines, converting them to lowercase.

Sample input: ENTER THREE INITIALS: ABC

Sample output: c

b

a

Form Link - https://forms.gle/eGFdBEGGbEE3AByHA

SET - B

1. Write an assembly program where your entire student ID (12345678) is stored in memory as a hexadecimal number. The task is to divide this value by FFFFh and find out both the quotient and remainder in hexadecimal.

- store your **student ID** (12345678) as a hexadecimal number in memory.
- divide it by FFFFh.
- Find out the quotient and remainder.

2. Initials in Reverse Order (Lowercase to Uppercase):

- Problem Statement: Write a program to:
    1. Prompt the user to enter three initials of a person's name in lowercase.
    2. Read the input.
    3. Display the initials in the reverse order on separate lines, converting them to uppercase.

Sample input: ENTER THREE INITIALS: abc

Sample output: C

B

A

Form Link - https://forms.gle/eGFdBEGGbEE3AByHA