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## **.Microprocessors (10636322) - Homework 2**

Q1. Write an inline assembly code to calculate the factorial of an integer called (A), and print the result. The value of A must be entered by the user.  
The reading and printing should be done in C and the rest of the code in assembly.

- Q2. Write assembly code to perform the following computations:
- Calculate the sum of elements in the array, and the occurrences of each element in the array and store the results in the occurrences array.
  - Check if the sum is divisible by 2.
  - If the sum is divisible by 2, print "even", otherwise, print "odd"

The code should declare an array of 10 elements and the user should enter each value from the keyboard. Assume the user enters digits between 0 and 9 only.  
The results should be printed on the screen.