

# Microprocessors and Interfacing

(CSE - 3002)

# LABFAT

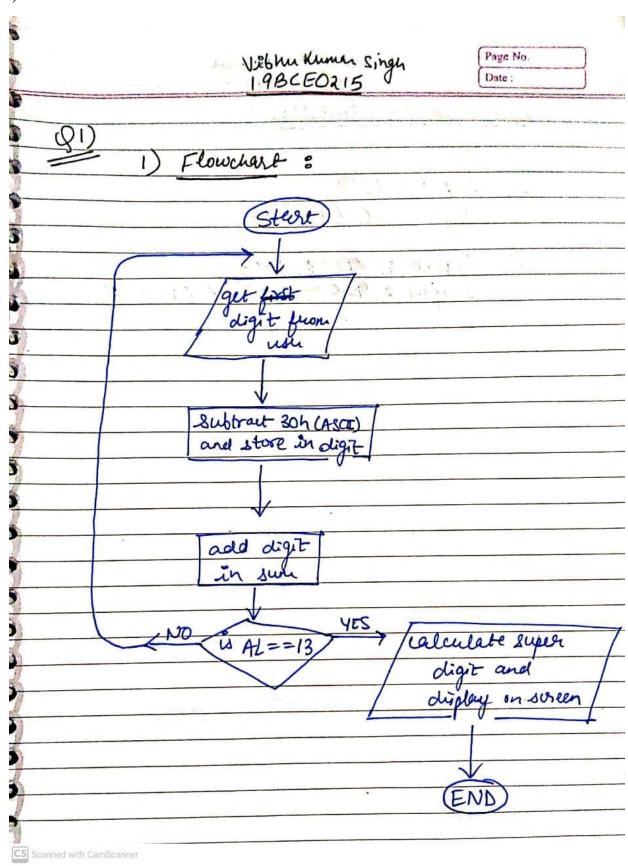
Name: Vibhu Kumar Singh

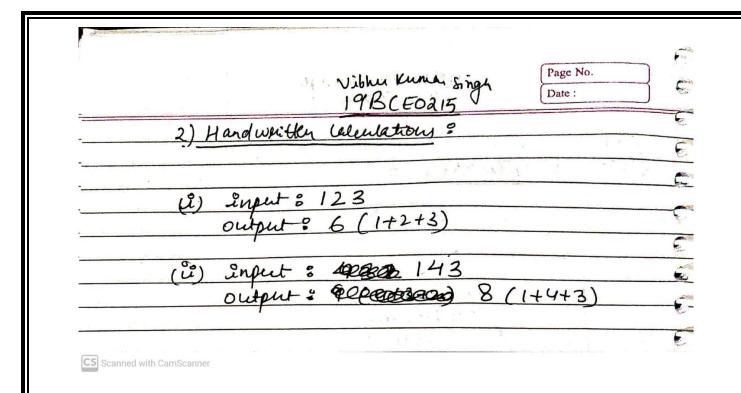
Reg. No: 19BCE0215

Teacher: Mr. Konguvel E.

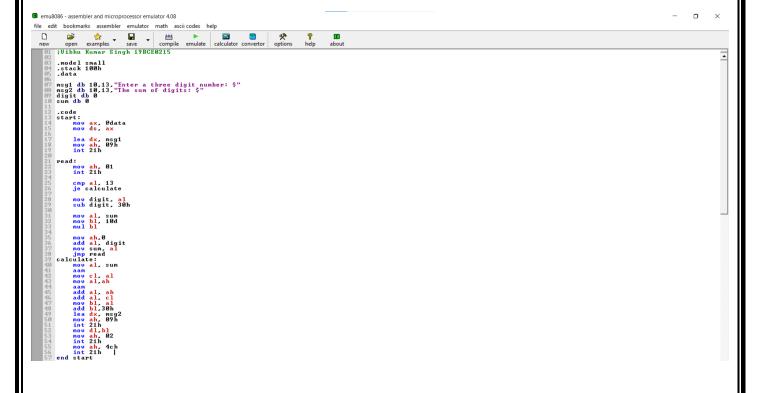
1. Write and execute ALP to prompt the user to input a three digit integer to perform and display its 'Super Digit'. [Super Digit of integer 456 is 4+5+6=15] Example: Three Digit Integer: 456 Super Digit: 15

Ans 1)



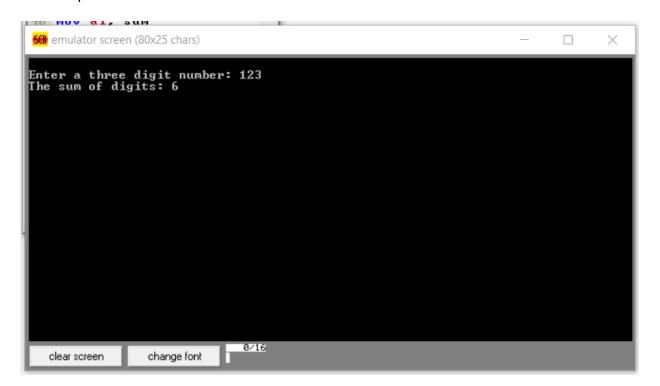


#### Screenshot of ALP:

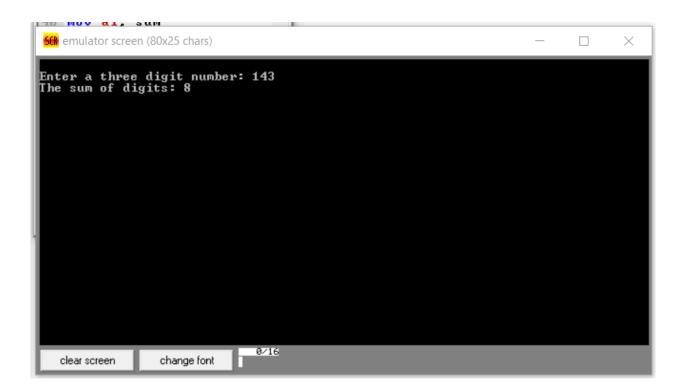


## OUTPUT:

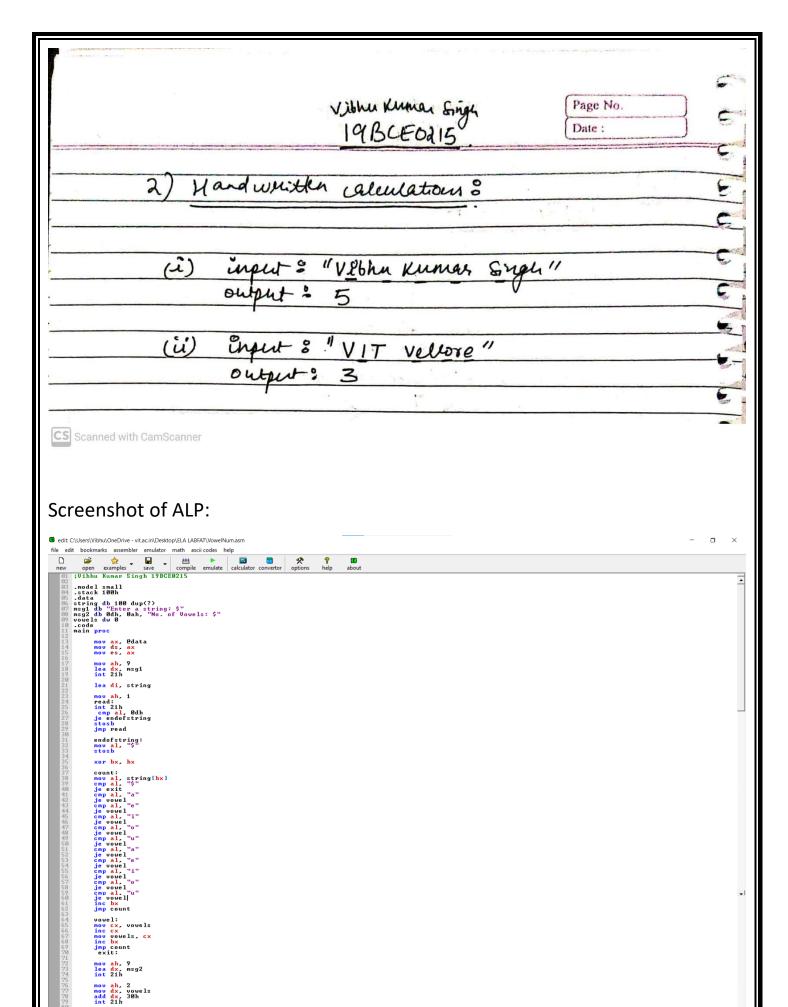
i. Input: 123 Output: 6



ii. Input: 143 Output: 8



2. Write and execute ALP that takes a string (from user or from memory) and display number of vowels present in the string. Example: String: 'Good Day'. No. of Vowels: 3 Ans 2) Page No. Villu Kuma Singh Date: 1) Flowchart: compare STRING(Si) with caeious and CAELOU, (vowels) YES u & RING[Si] YES increment si is STRING[Si] and youll a vower ? count CS Scanned with CamScanner

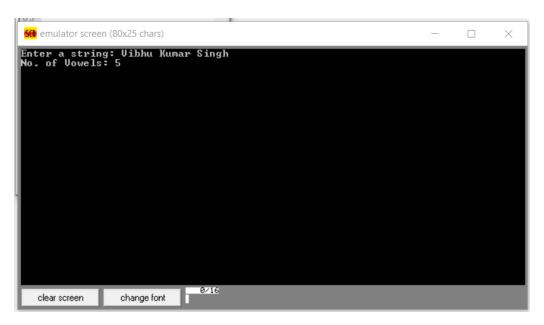


81 main endp 82 end main

## OUTPUT:

i. Input: "Vibhu Kumar Singh"

Output: 5



ii. Input: "VIT Vellore"

Output: 3

