

CSE331L

August 18, 2020

Ans: to the Q: no 1

LEA  $\rightarrow$  The Full form of LEA is Load Effective Address. By using this instruction memory address will load in register.

OFFSET  $\Rightarrow$  Offset is an assembler directive in 8086 assembly language. It actually means address and is a way of handling the overloading of the 'mov' instruction.

Ans: to the Q: no 2

DATA SEGMENT is the starting point of the Data Segment in a program and DATA is the name given to the Data segment. Data segment stores the data.

Figure 1: Caption

Ans: to the Q: no 3

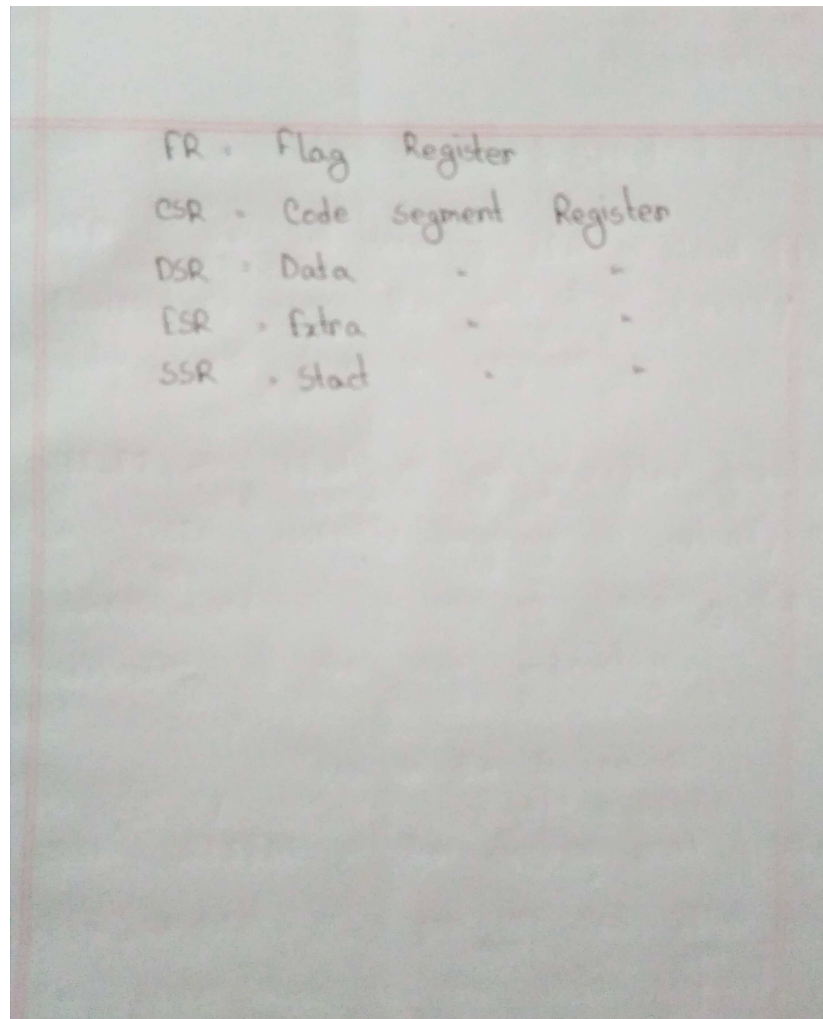
In this assembly language programming,  
DATA is the name given to DATA  
SEGMENT Register and CODE is the name  
given to Code Segment Register

Ans: to the Q: no 4

Registers :-

- AX = Accumulator R
- BX = Offset R
- CX = Counter R
- DX = Data R
- SP = Stack Pointer Register
- BP = Base ~
- SI = Source Index ~
- DI = Destination ~
- IP = Instruction Pointer ~

Figure 2: Caption



A photograph of a piece of lined paper with handwritten text. The text is organized into a table with five rows and three columns. The first row defines 'FR' as 'Flag Register'. The second row defines 'CSR' as 'Code segment Register'. The third, fourth, and fifth rows define 'DSR', 'ESR', and 'SSR' as 'Data', 'Extra', and 'Stack' respectively, with dashes in the second and third columns.

FR	•	Flag Register
CSR	•	Code segment Register
DSR	•	Data -
ESR	•	Extra -
SSR	•	Stack -

Figure 3: Caption