Name - Hosne Ara

ID - 1632267642

Sec - 07

Course - CSE333Lab

Date - 18-08-20

Mid - (1)

Part - 01

Ans: to the Q: NO - 01

LEA: LEA is an instruction that load "Offset Variable" while adjusting the address between 16 and 32 bits as necessary.

Offset: • Offset • is an assembler directive in X86 assembly language. It actually means "address" and is a way of handling the overloading of the "mov" instruction.

Ans: to the Q: NO - 02

DATA SEGMENT is the starting point of the Data Segment in a program and ~~Data~~ DATA is the name given to this segment and SEGMENT is the Keyword for defining Segments where we can declare our variables.

Ans: to the Q: No-3

In this Assembly Language Programming, there are different registers present for different purpose. So we have to assume DATA is the name given to Data Segment register and CODE is the name given to Code Segment register. SS, ES are used in the same way as CS, DS.

Ans: to the Q: No-4

CS - Points at the segment containing the current Program.

DS - generally points at the segment where variables are defined.

ES - extra segment register, its up to a coder to define its usage.

SS - points at the segment containing the stack.