

# 16.317: Microprocessor Systems Design I

Fall 2013

## Lecture 8: Key Questions

September 20, 2013

1. Show the results of running the following program if DATA\_SEG\_ADDR = 1200H, assuming the memory contents shown:

DATA\_SEG\_ADDR:0000

DATA\_SEG\_ADDR:INIT\_TABLE

11	22	
33	44	
55	66	
77	88	
99	AA	
BB	CC	
DD	EE	
FF	16	
03	17	

```
MOV AX, DATA_SEG_ADDR
MOV DS,AX
MOV SI,[INIT_TABLE]
LES DI,[INIT_TABLE+02H]
MOV AX,[INIT_TABLE+06H]
MOV SS,AX
MOV AX,[INIT_TABLE+08H]
MOV BX,[INIT_TABLE+0AH]
MOV CX,[INIT_TABLE+0CH]
MOV DX,[INIT_TABLE+0EH]
```

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