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Course — CSE331L

Section — 05

Q1 | There were three ~~DATA~~ errors.

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cmp al, 2fh  
ja check-9

jmp exit

check-9:

cmp al, 3ah  
jb digit

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Q2

a) MOV ES, AX

It is valid

b) MOV DS, @DATA

It is not valid. Data segment can't use immediate data.

c) ADD ARRAY[0], ARRAY[1]

It is not valid. Operation between two variable is not possible.  
They require registers.

d) LEA DL, ARRAY

It is valid.

Q3 | int 21h is used to generate an interrupt. It is used to invoke DOS function.

Before taking any user input, it is needed to use 'int 21h'.