Quiz 2

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Addressing Modes

2.0/2.0 points (graded)

Q. Select all instructions that use stack.

- ☑ PUSH AX
- ☑ POP DX
- ☑ CALL hello ; here hello is a precedure
- ☐ JMP A234:AD2F
- ☐ MOV [BP], 1223h

✔

Q. What does far jump mean?

- ⦿ Moving from one code segment to another
- ○ Moving from one data segment to another
- ○ Moving from one stack segment to another
- ○ All of the above

✔

Submit	You have used 1 of 1 attempt	ⓘ Show Answer

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Question

1.0/2.0 points (graded)

MOV AL,76h
MOV BL, F3h
ADD AL,BL
What will be the value of the overflow flag after the instructions are executed? Answer must be an integer in decimal.

0	✔ **Answer:** 0

0

MOV AL,76h
MOV BL, F3h
ADD AL,BL
What HEXADECIMAL value will be stored in AL after the instructions are executed? Answer must be an integer value. If your answer is 1B2h just write 1B2.

169	✘ **Answer:** 69

169

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Question

2.0/2.0 points (graded)

>> Add BBh and DFh together and select the correct answers:

- [x] Zero Flag = 0
- [ ] Parity Flag = 0
- [x] Parity Flag = 1
- [x] Sign Flag = 1
- [ ] Sign Flag = 0

✔

>> Select the values for Carry Flag, Auxiliary Flag and Overflow Flag:

- [ ] Overflow Flag = 1
- [x] Overflow Flag = 0
- [x] Auxiliary Flag = 1
- [ ] Auxiliary Flag = 0
- [x] Carry Flag = 1

✔

| Submit | You have used 1 of 1 attempt | | ⓘ Show Answer |

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Question

2.0/2.0 points (graded)

which flag is determined by the result's MSB

- ( ) Carry Flag
- (•) Sign Flag
- ( ) Parity Flag
- ( ) Auxiliary Flag

✔

which addressing mode is the instruction: MOV AX, [BX+DI]

- ( ) Base Relative Plus Index
- (•) Base Plus Index
- ( ) Register Relative
- ( ) Direct Addressing

✔

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Question

0.5/2.0 points (graded)

Which of the following Informations is/are examples of base-plus-index addressing addressing mode?

- [x] MOV CX, [BX+DI] � ✱
- [ ] MOV ARRAY[SI], BL
- [ ] MOV [BP+DI], AH ✔

✱

'MOV ES, 1200' is an example of?

- (•) Immediate addressing mode
- ( ) Register direct addressing mode
- ( ) Register indirect addressing mode
- ( ) None of the above ✔

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