Lab # 1

Task 1:

i. Write a sequence of commands to change the current value of AX register to 0EE.

ii. Write a sequence of commands to display the data on memory from 0100 to 80h bytes.

iii. Write a sequence of command to

a. Enter string 'Hello' in memory starting at 4200.

b. Display just the message 'Hello' that you have enter the memory in part a.

iv. What will the following commands do?

U CS:100 1E0

v. Which register refers to code? Just write an answer.

vi. Which command is used to exit from debugger?

Task 2:

Write assembly instructions which should:

- Change the contents of AX to 1234
- Add 1 to the contents of AX
- Copy the value of AX to DX
- Subtract 1233 from the value of DX
- Do BH = DL
- Place 9 in AL

Task 3:

Write assembly instructions which should:

- Change the contents of AX to 4000H
- Add AX to AX
- Subtract 0FFFFH from AX
- Increment in AX
- Decrement in AX

Task 4:

Write assembly instructions that exchanges the values of AX and BX.

You can take values of your choice.

Task 5:

Run the following codes on debugger and write down the status of flags:

i)
Mov ax,FF12
Mov bx,0012
Add ax,bx
	iii)
	Mov al,ff
	Inc al

ii)
Mov al,0001
Dec al
	iv)
	Mov ax,40
	Mov bx,50
	Sub ax,bx