assembly - 1113(H.W)

1. In the following code sequence, show the value of AL after each shift or rotate instruction has executed:

ANSWER: **a - 6Ah / b - EAh / c - FDh / d - A9h**

2. In the following code sequence, show the value of AL after each shift or rotate instruction has executed:

ANSWER: **a - 9Ah / b - 6Ah / c - A9h / d - 3Ah**

3. What will be the contents of AX and DX after the following operation?

ANSWER: **DX = 0222h / AX = 0000h**

4. What will be the contents of AX after the following operation?

ANSWER: **AX = 0306h**

5. What will be the contents of EAX and EDX after the following operation?

ANSWER: **EAX = 00012480h / EDX = 00000000h**

6. What will be the contents of AX and DX after the following operation?

ANSWER: **AX = 0400h / DX = 0000h**

7. What will be the contents of BX after the following instructions execute?

ANSWER: **BX = 0066h**

8. Describe the output when the following code executes in 64-bit mode:

ANSWER: **RAX = 108000000000333000h / RDX = 20h**

9. The following program is supposed to subtract val2 from val1. Find and correct all logic
errors (CLC clears the Carry flag):

ANSWER: 모르겠음

10. What will be the hexadecimal contents of RAX after the following instructions execute in
64-bit mode?

ANSWER: I don’t know....