MC-IOT Lab Question Output Process

Q.1

1) After writing the code ----> **Save** ----> **Build** ----> **Debug**.

2) Open Memory window 2 ----> Enter the source address " **0x20000000** " in memory window ----> Change the Starting few digits (Ex. Fig 2) ----> Click on **step** button continuously till it stops. ----> You will observe copied output in next lines (Ex. Fig 2).
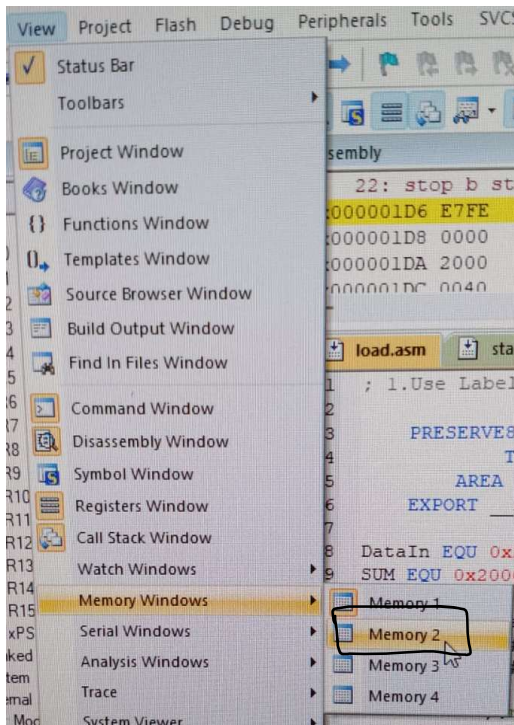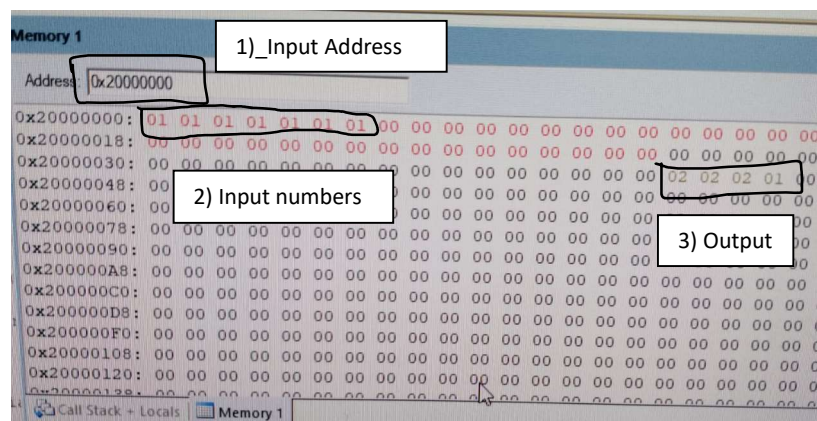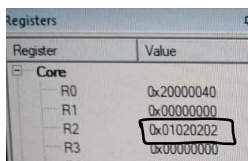

Fig.1

Fig.2

Output can also be observed in registers window.
<u>Note:</u> Red marking in Fig.2 show all 10 position after 10 loop cycles.

Codes Refer : https://github.com/Haksham/SEM-Codes/tree/master/MC-iot_Test

Q.2

1) After writing the code ----> **Save** ----> **Build** ----> **Debug**.

2)) Open 2 Memory window 1 and 2 -----> Enter the source address " **0x20000000** " in memory window 1-----> Enter the destination address " **0x20000120** " in memory window 2 ----> Change the Starting few digits in **window 1** (Ex. Fig 1) ----> Click on **step** button continuously till it stops. ----> You will observe copied output in next **window 2** (Ex. Fig 2).
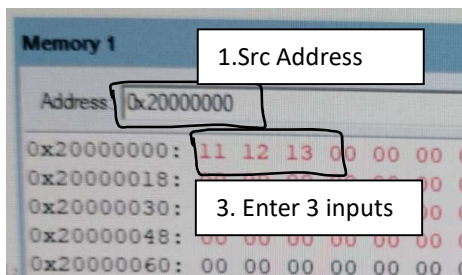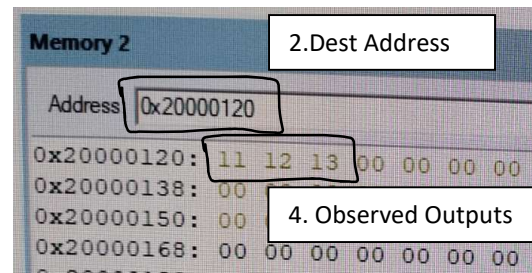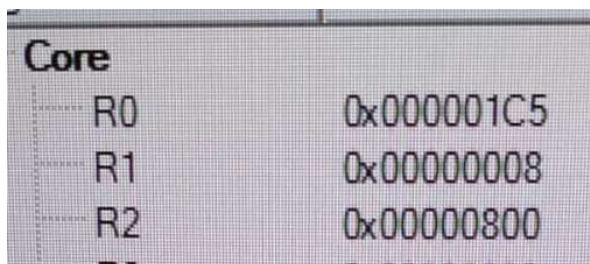

Fig.1

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Fig.2

Q.3

1) After writing the code ----> **Save** ----> **Build** ----> **Debug** ---> **Step** continuously.

2) As per the code input for both LSLS and ASRS is " **0x00000080** ".

3) In Figure below **R1** stores the output for **ASRS**

   R2 stores the output for **LSLS**

Q.4

1) After writing the code ----> **Save** ----> **Build** ----> **Debug** ---> **Step** continuously.

2) As per the code input for both **Extraction** and **Clearing** is " **0x00000080** ".

3) In **Fig 1** shows output of **Extraction** in **r0** when half the **steps** are done.

   Fig 2 shows output of **Clearing** in **r0** when complete **steps** are done.
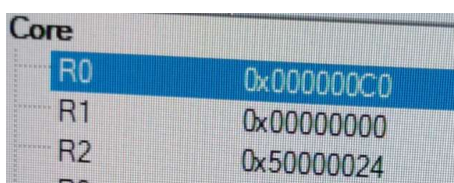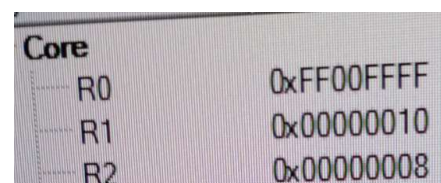

Fig.1

Fig.2