EX NO : 1   **STUDY OF KEIL µVISION**

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Inderajith K

18eucs044

OBJECTIVE:

To study Keil µVision compiler.

**SYSTEM AND SOFTWARE TOOLS REQUIRED:**

Keil µVision Compiler

THEORY:

8051 based Fully Static 24MHz CMOS controller with 32 I/O Lines,2 Timers/Counters, 6 Interrupts/2 Priority Levels, UART,Three-Level Program Memory Lock,4K Bytes Flash Memory,128 Bytes On-chip RAM.

PROCEDURE:

STEP 1: Open Keil µVision compiler and go to **Project tab** and **create a new µVision project**.Create a new folder in the working directory and name it.
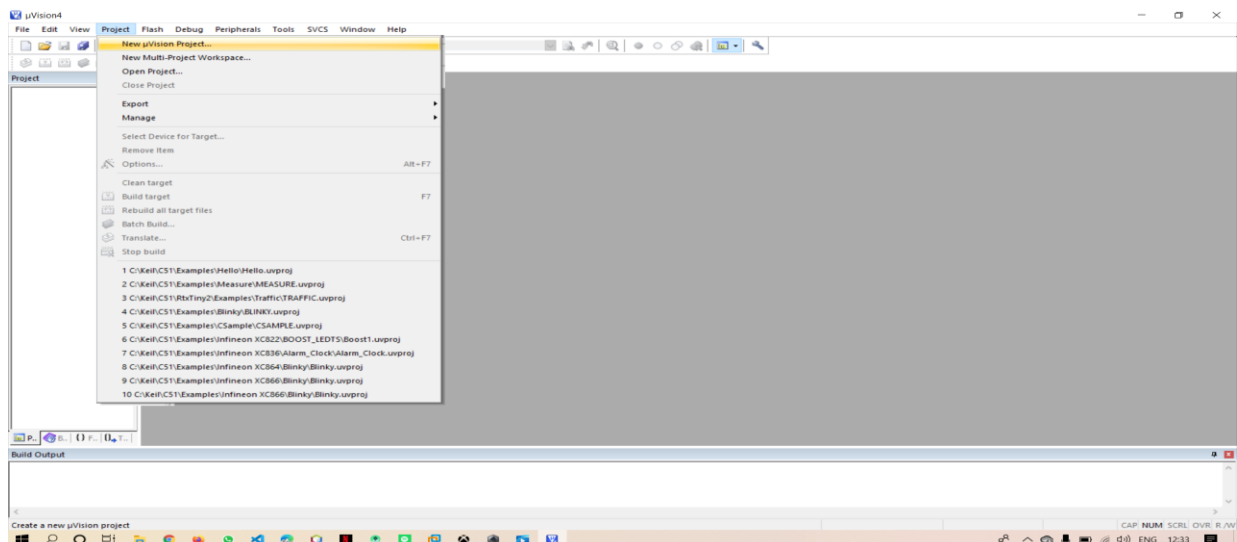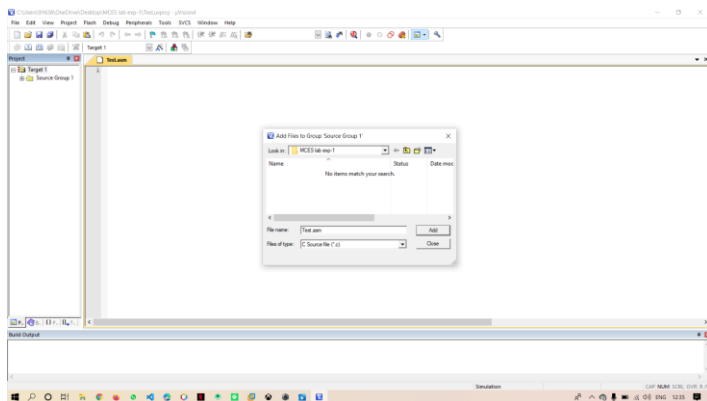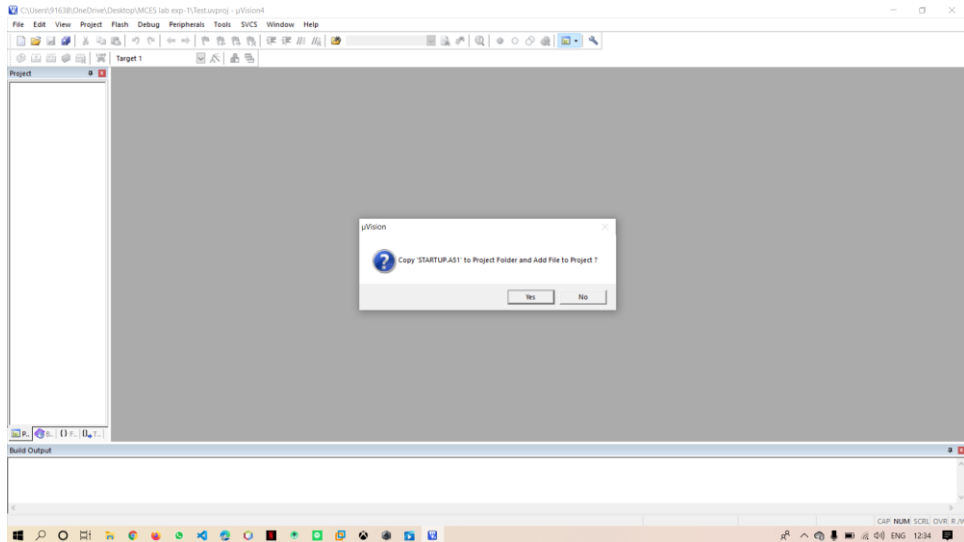
STEP 2 On the **Select Device for Target** dialog box select the **device** for the target and click **OK**.
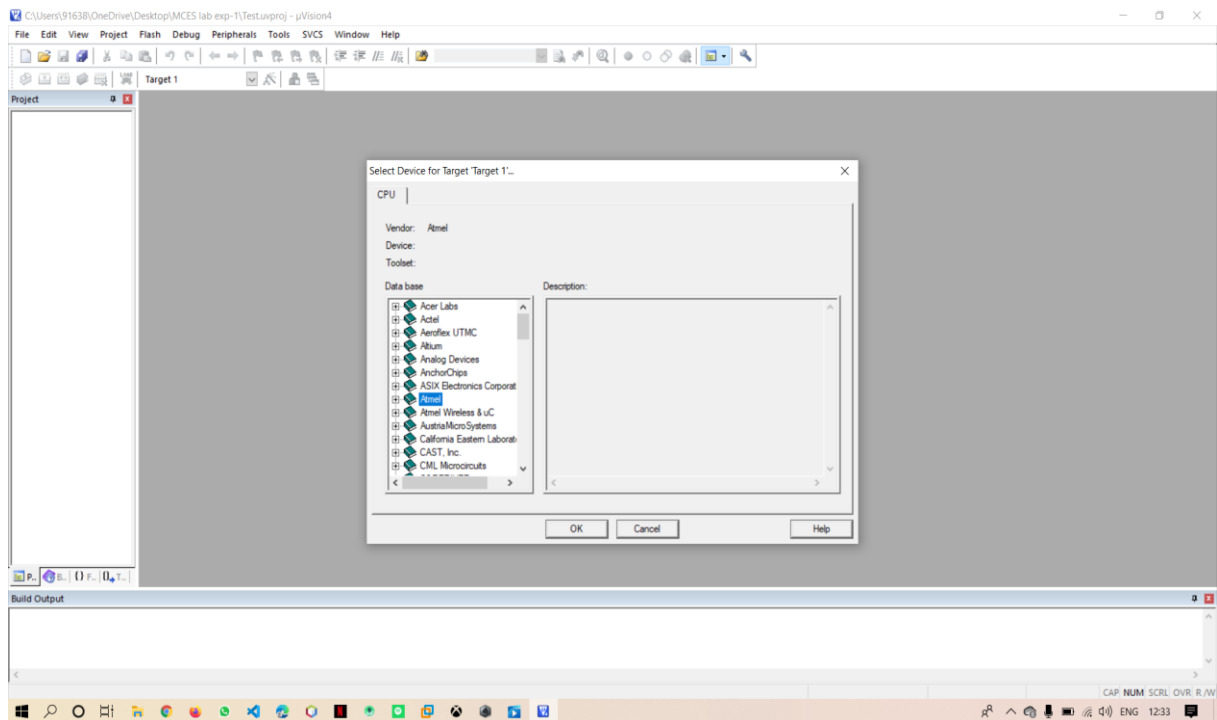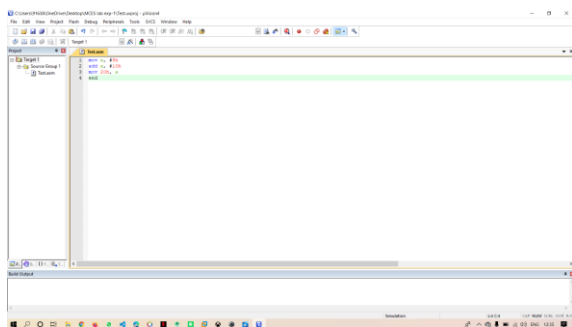

STEP 3 Now the project is created and a **Message** window will appear to add startup file of your Device. Click on **YES** so it will be added to your project folder.
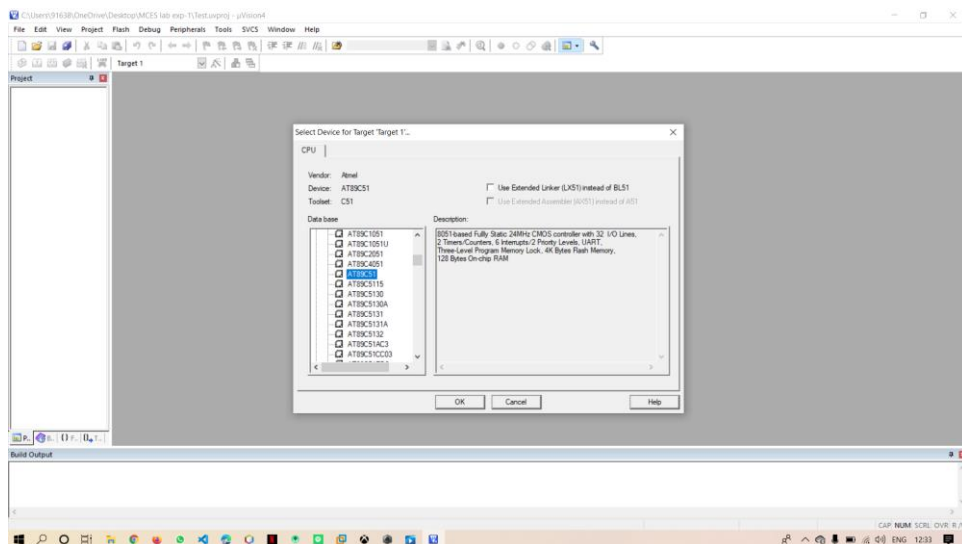
STEP 4: Click on File tab and create a new file. Save it with **.c** extension or with **.asm** for **assembly** language.
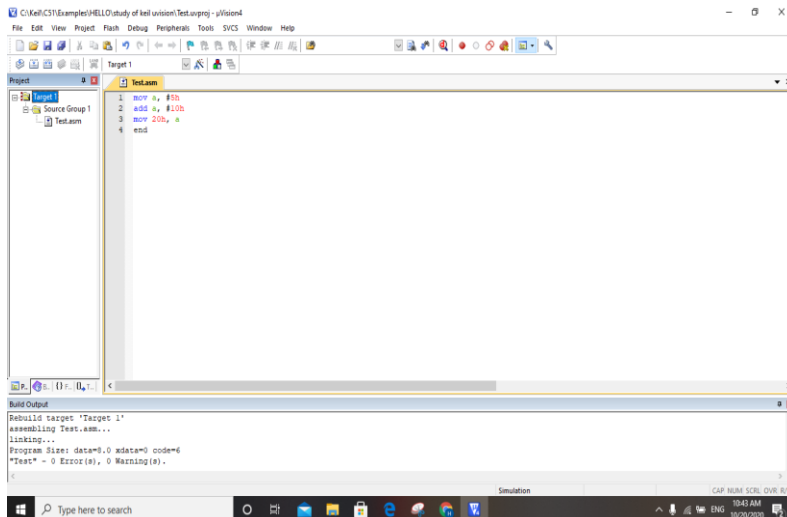

**STEP 5:** Now develop the source code of your design and save it.

STEP 6 In Project dialog box. Under Target folder right click on **Source group folder** and click **Add files to Group 'Source Group 1'** Add the file with the extension .asm and close.

STEP 7. Now **Translate, Build and Rebuild** the project by using the shortcuts or by using the options available in the **Project tab**.


STEP 8 To change the target device, right click on target in project window. Options for target menu will be displayed. Else go to the view tab, click on project window and click on options for target.
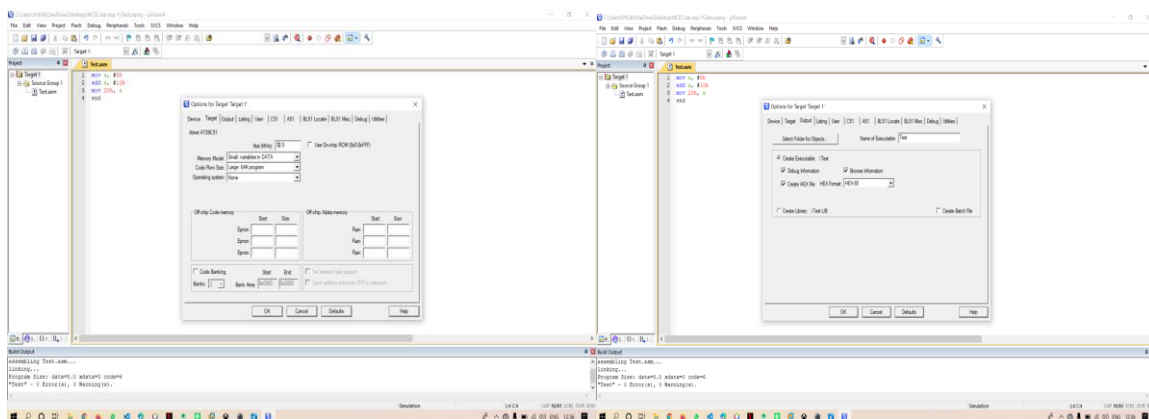
STEP 9: To debug click on **Start/Stop Debug Session** under **Project tab** in menu and Click **OK**.
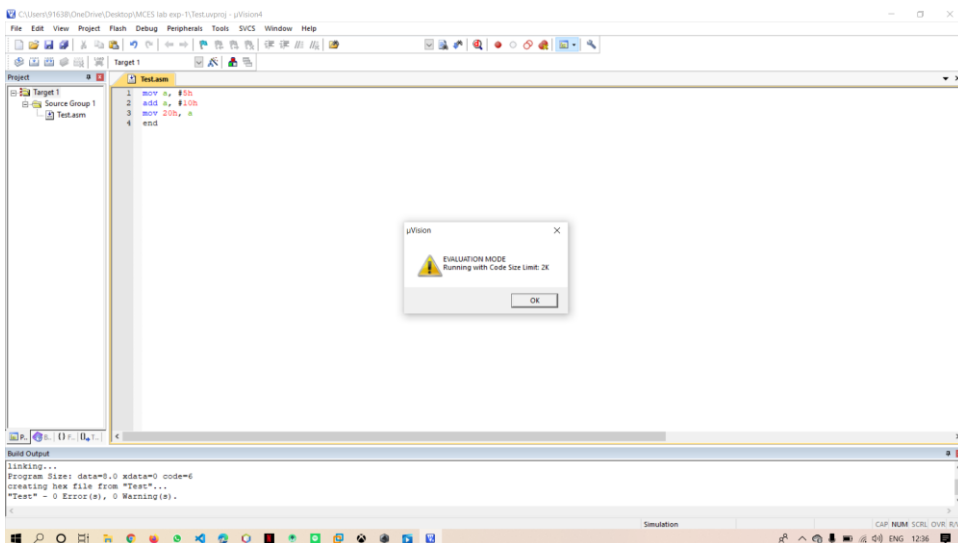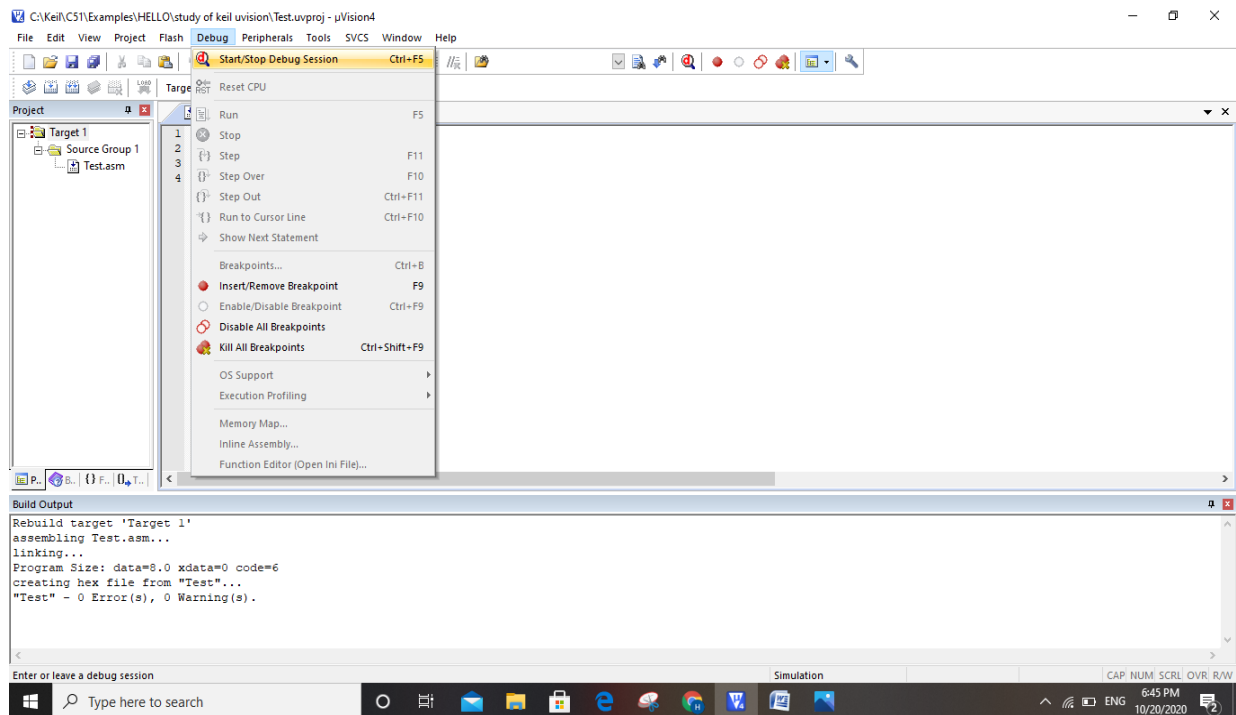
STEP 10 To view the result select **'Memory window'** option in View tab and select **memory 1,2,3 or 4** and provide **address** in the dialog box
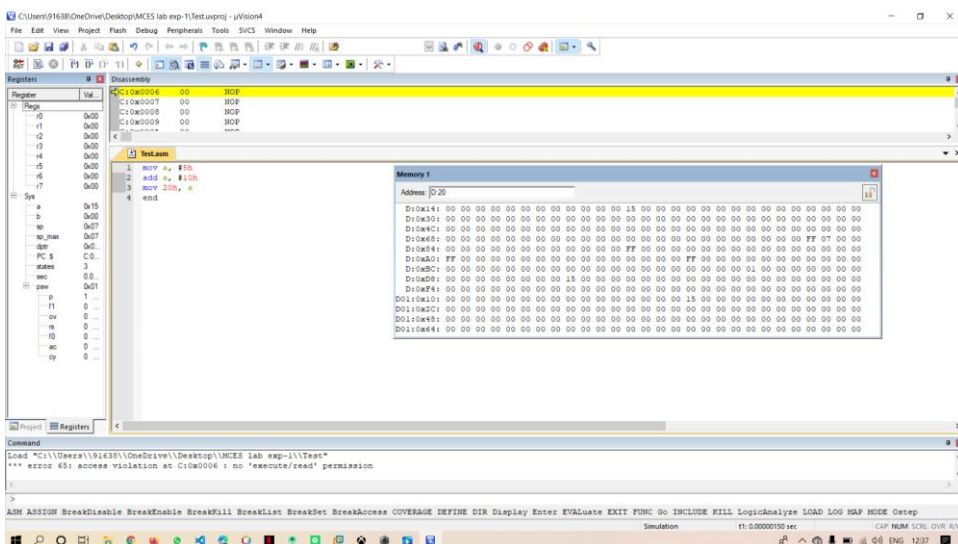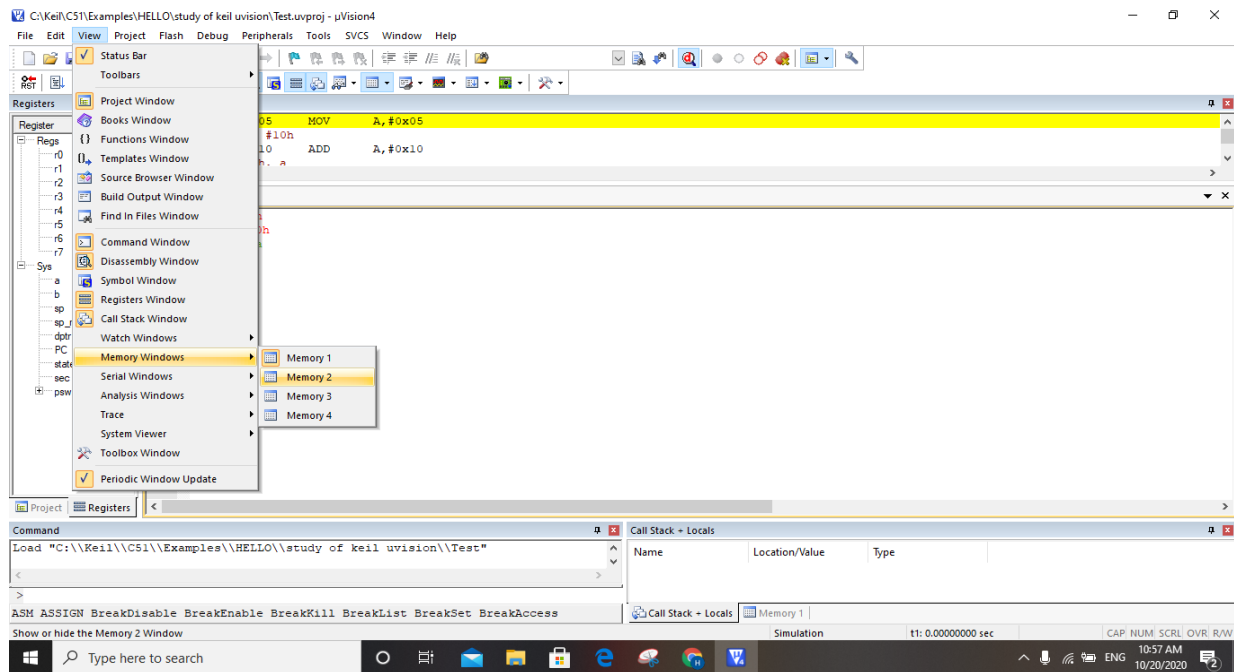
RESULT:

Thus the Keil µVision compiler is studied.