**COAL Lab 01 Task**

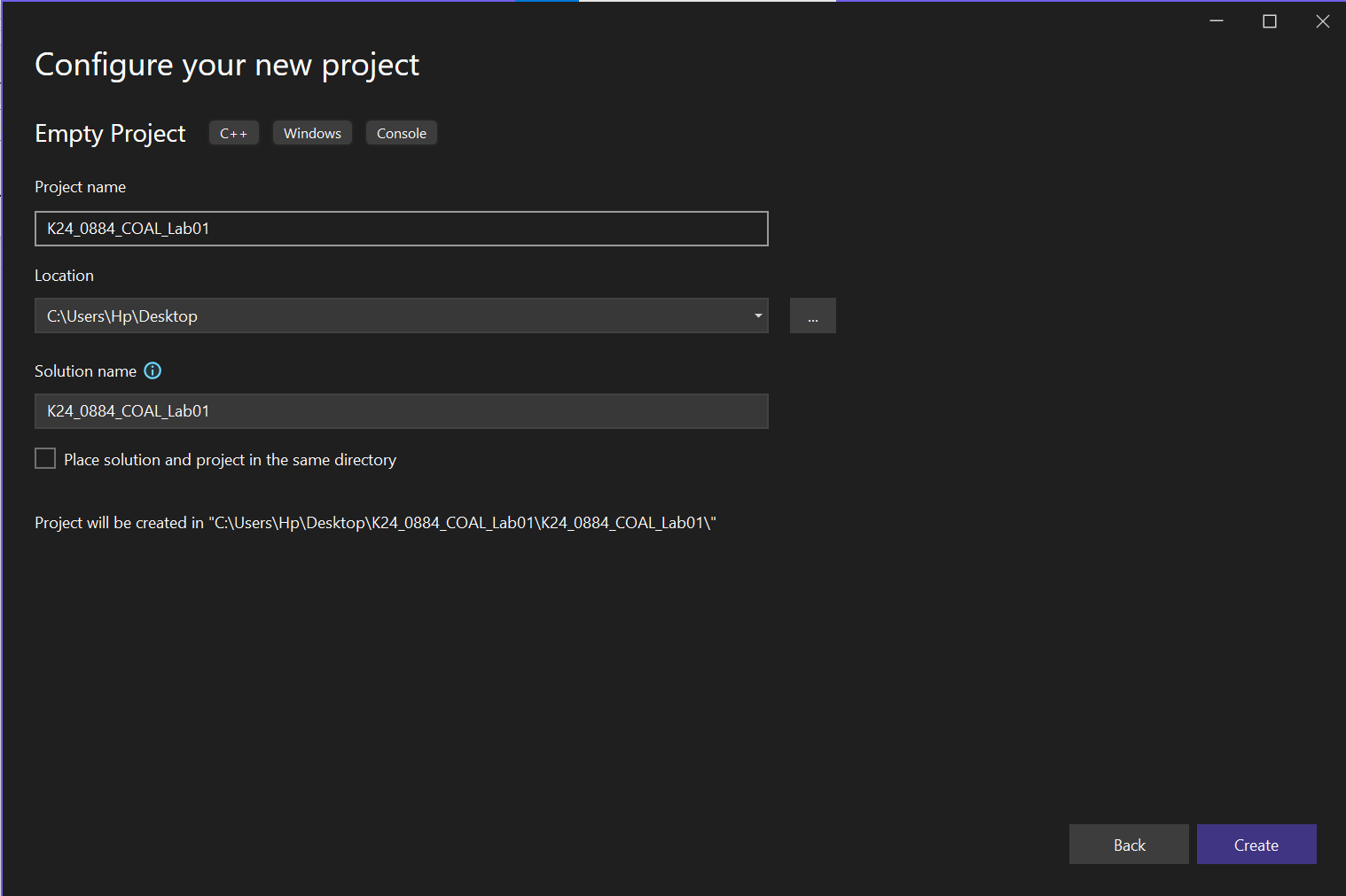
**Name: Muhammad Shahbaz Hassan**

**Roll Number: 24K-0884**

**STEPS:**

1. **Create a new Visual C++ project name your ID K24\_1234\_COAL\_Lab01 for Assembly Language.**

**Creating a new Project named K24\_0884\_COAL\_Lab01**



**2. Configure the project using the steps shown in this lab.**

**Creating Source.asm file**

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**Setting Build Dependences**

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**Setting Linker General Path**

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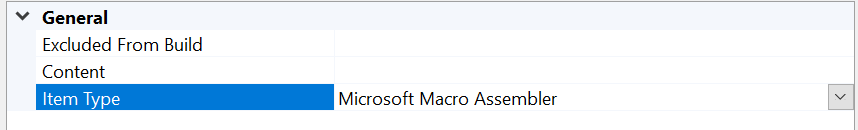
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**Setting Linker Input Path**

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**Setting Microsoft Assembler type**



**Setting Microsoft Macro Assembler Path**

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**3. Run Example 01 in console window by changing the value of EAX in line 5 to 8500h.**

**Writing Example 01 in Source.asm file**

**A computer screen shot of a program

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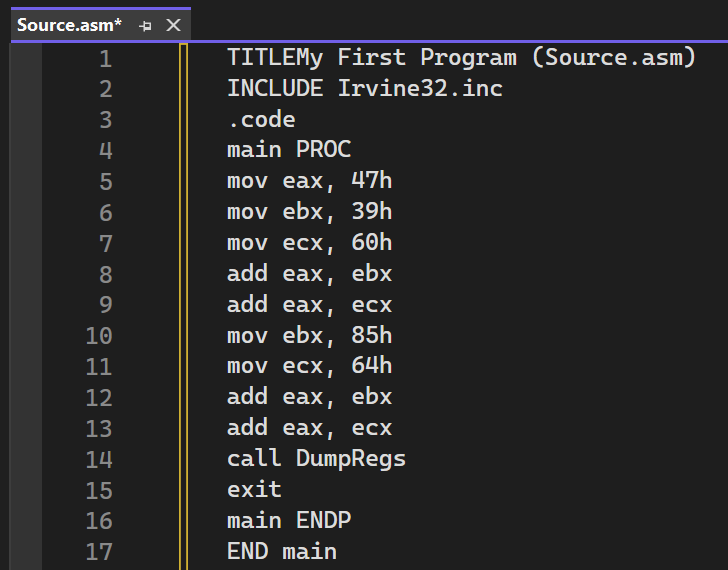
**Running Example 01**

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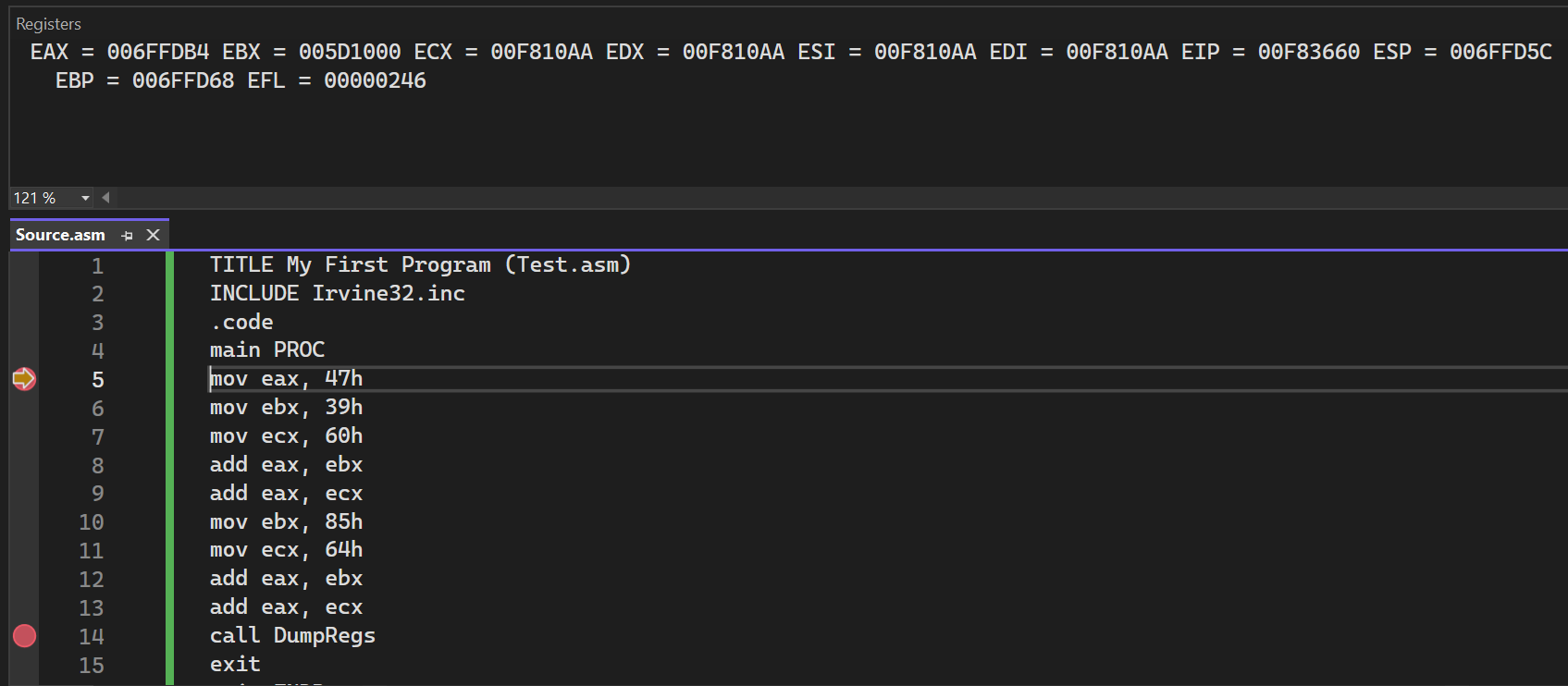
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**4. Debug the below program and note down the values of all the registers after the execution of each  
line.**

**Writing the new Example in the Source.asm file**



**Line 5 : mov eax, 47h**



**Line 6 mov ebx, 39h**

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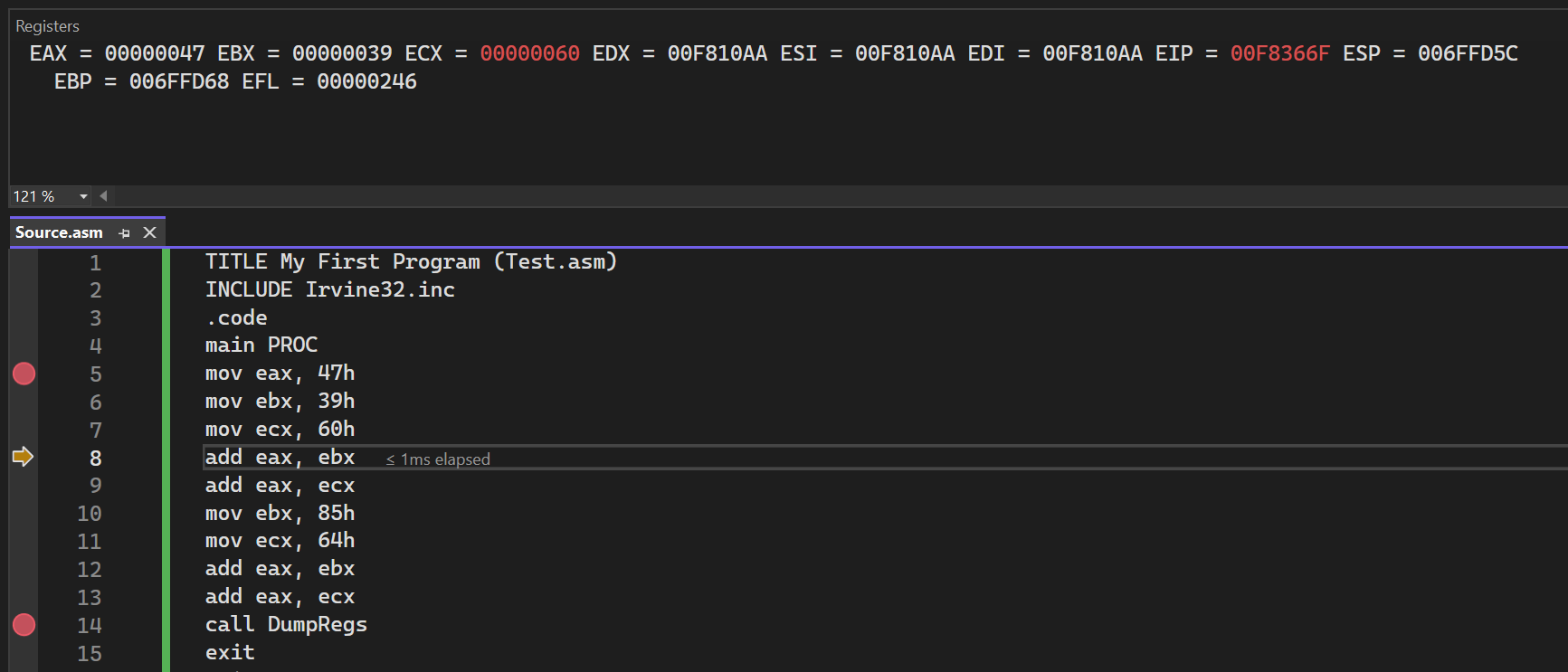
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**Line 7 mov ecx, 60h**

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**Line 8 add eax, ebx**



**Line 9 add eax, ecx**

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**Line 10 mov ebx, 85h**

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**Line 11 mov ecx, 64h**

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**Line 12 add eax, ebx**

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**Line 13 add eax, ecx**

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**Line 14 call DumpRegs**

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