LAB COAL # 6

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24K-0006

BAI-3A

Task#1:
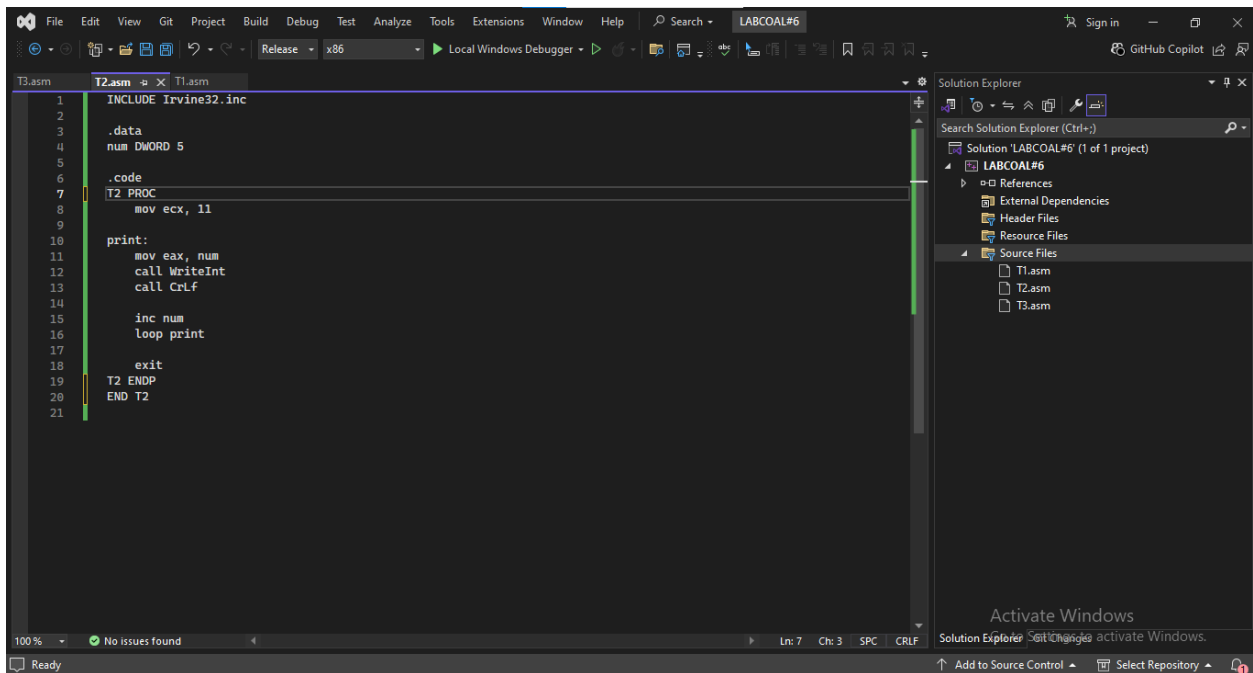

Output:

Task#2:


```asm
INCLUDE Irvine32.inc

.data
num DWORD 5

.code
T2 PROC
    mov ecx, 11

print:
    mov eax, num
    call WriteInt
    call CrLf

    inc num
    loop print

    exit
T2 ENDP
END T2
```

Output:

```
+5
+6
+7
+8
+9
+10
+11
+12
+13
+14
+15

C:\Users\Lenovo\OneDrive\Desktop\LABCOAL#4\LABCOAL#6\Release\LABCOAL#6.exe (process 6980) exited with code 0 (0x0).
Press any key to close this window . . .
```
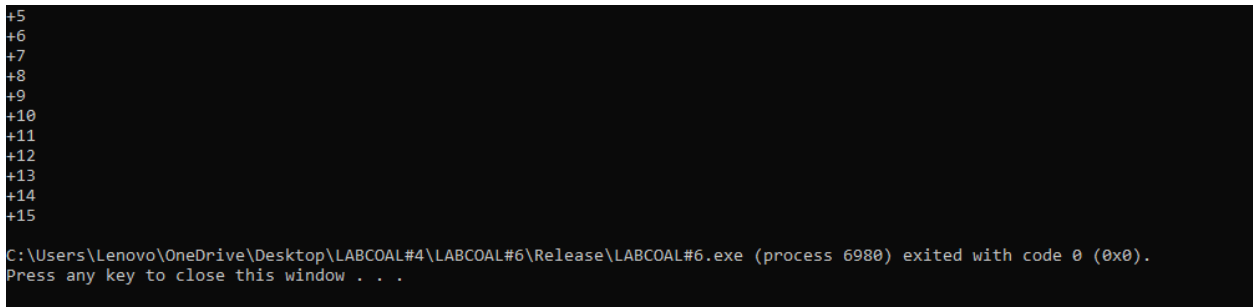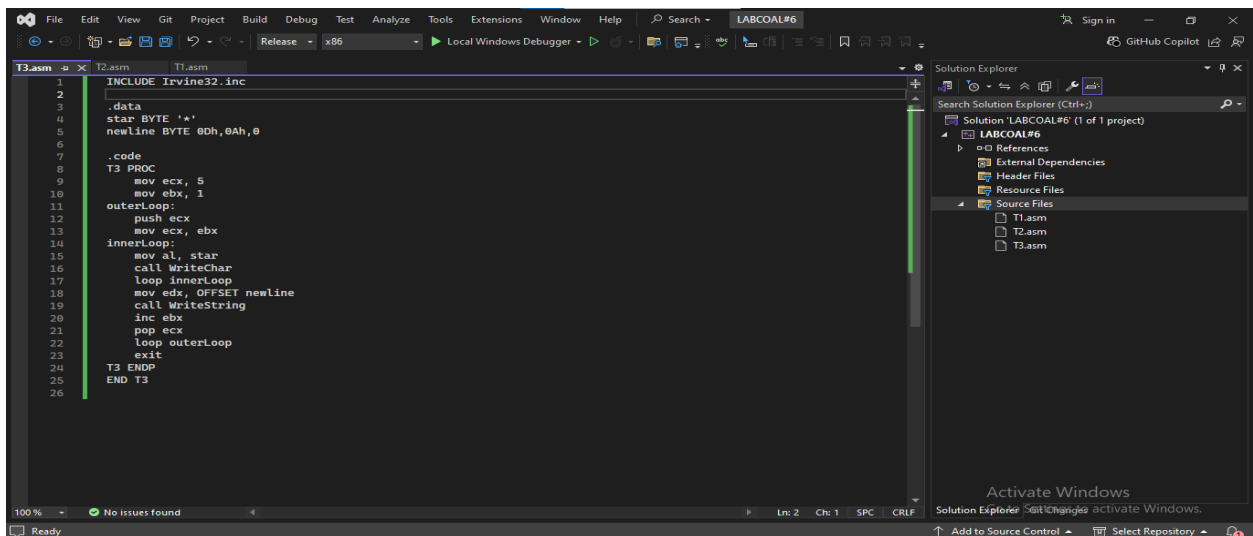
Task#3:


```asm
INCLUDE Irvine32.inc

.data
star BYTE '*'
newline BYTE 0Dh,0Ah,0

.code
T3 PROC
    mov ecx, 5
    mov ebx, 1
outerLoop:
    push ecx
    mov ecx, ebx
innerLoop:
    mov al, star
    call WriteChar
    loop innerLoop
    mov edx, OFFSET newline
    call WriteString
    inc ebx
    pop ecx
    loop outerLoop
    exit
T3 ENDP
END T3
```

Output:

```
*
**
***
****
*****

C:\Users\Lenovo\OneDrive\Desktop\LABCOAL#4\LABCOAL#6\Release\LABCOAL#6.exe (process 4068) exited with code 0 (0x0).
Press any key to close this window . . .
```
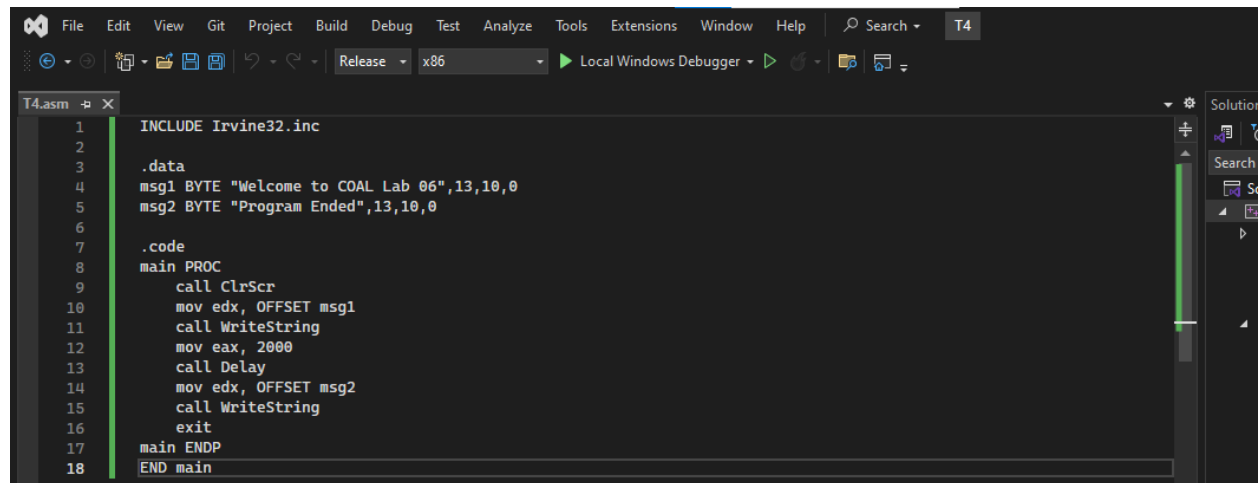
Task#4:

```
INCLUDE Irvine32.inc

.data
msg1 BYTE "Welcome to COAL Lab 06",13,10,0
msg2 BYTE "Program Ended",13,10,0

.code
main PROC
    call ClrScr
    mov edx, OFFSET msg1
    call WriteString
    mov eax, 2000
    call Delay
    mov edx, OFFSET msg2
    call WriteString
    exit
main ENDP
END main
```

Output:

```
Welcome to COAL Lab 06
Program Ended

C:\Users\Lenovo\OneDrive\Desktop\LABCOAL#4\T4\Release\T4.exe (process 15016) exited with code 0 (0x0).
```