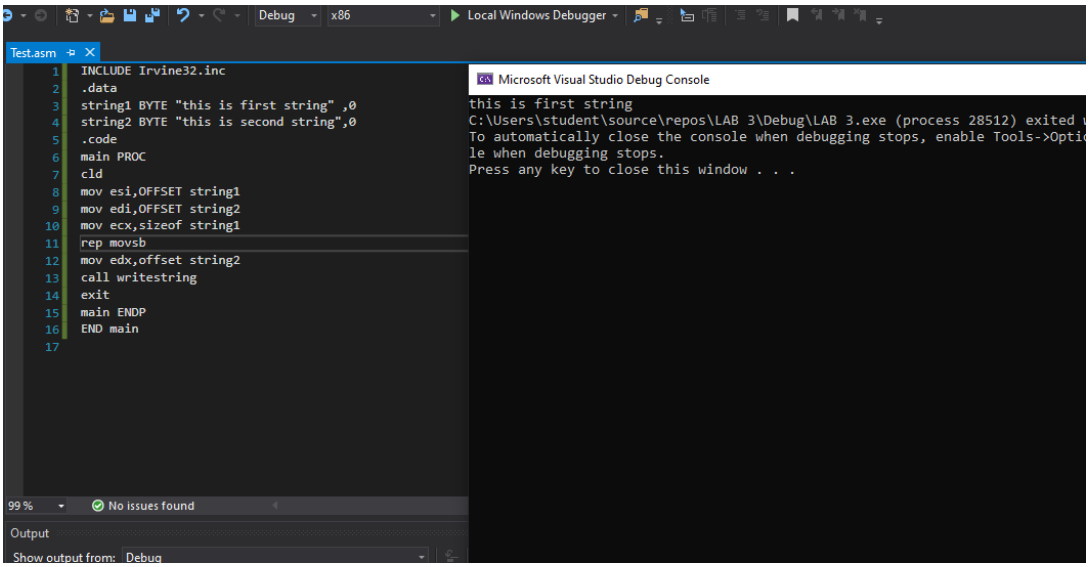
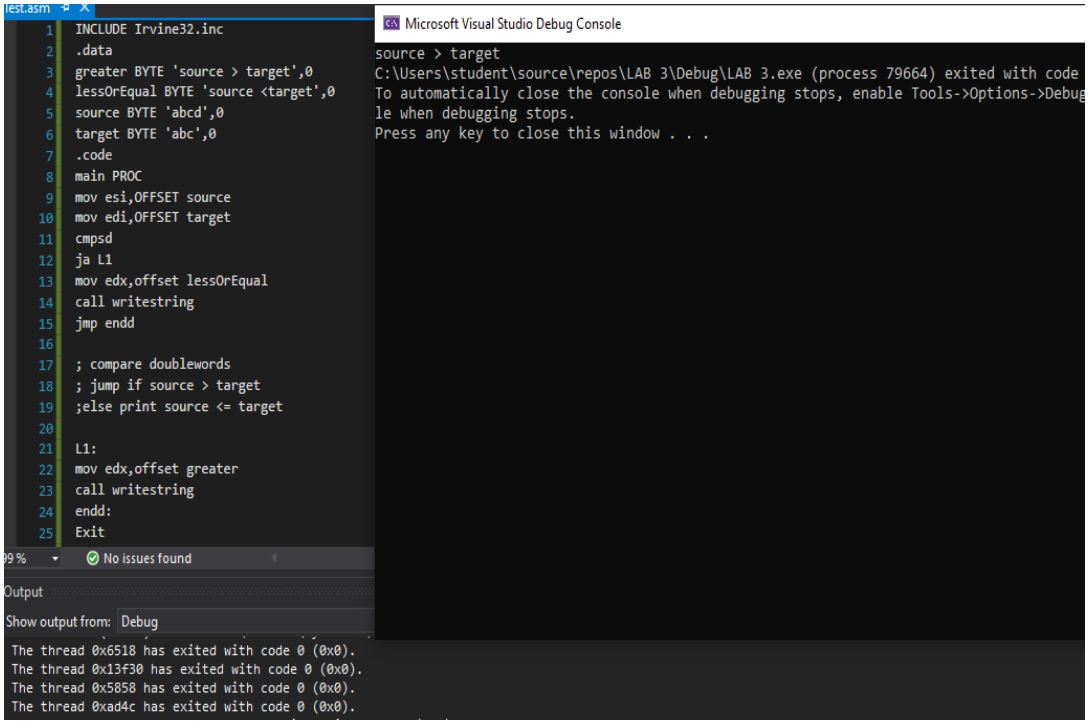
COAL LAB TASK 11
MOHAMMAD BASIL ALI KHAN
20K-0477

- **Example**



- **Example**



- **Example**

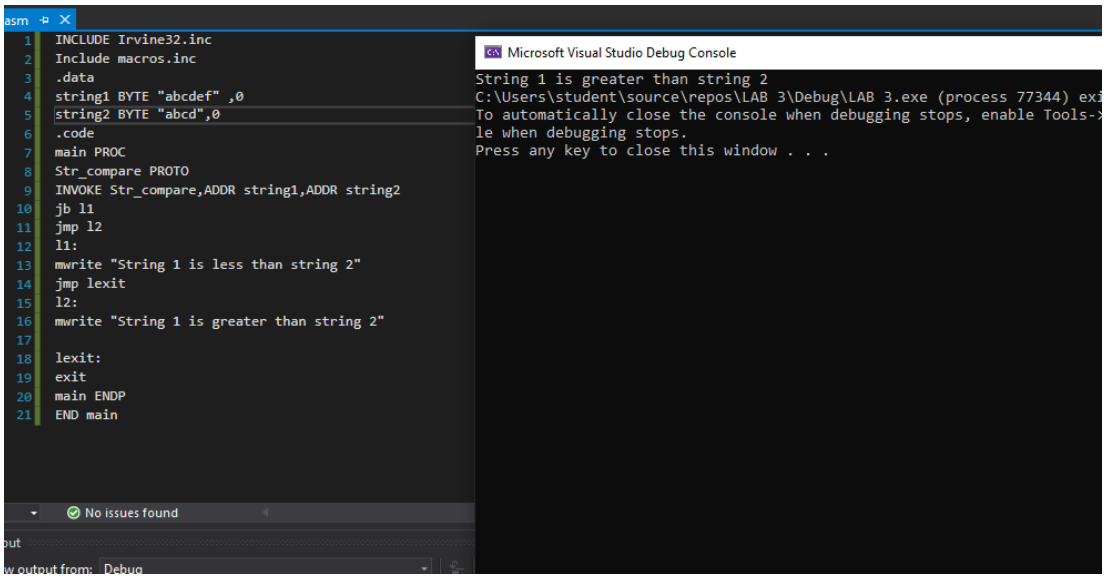
```
st.asm
1  INCLUDE Irvine32.inc
2  .data
3  Count = 100
4  string1 BYTE Count DUP(?)
5  .code
6  main proc
7  mov al,0FFh
8  mov edi,OFFSET string1
9  mov ecx,Count
10 cld
11 rep stosb
12 call writehex
13 Exit
14 main ENDP
15 END main
```

```
Microsoft Visual Studio Debug Console
00CFF8FF
C:\Users\student\source\repos\LAB 3\Debug\LAB 3.exe (process 51132) ex
To automatically close the console when debugging stops, enable Tools-
le when debugging stops.
Press any key to close this window . . .
```

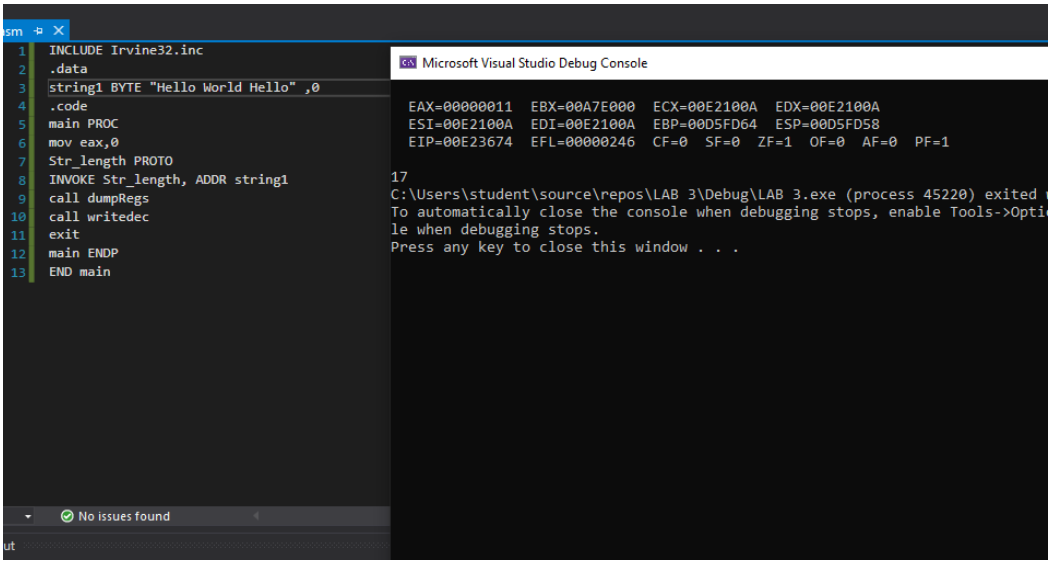
- **Example**

```
est.asm*
1  INCLUDE Irvine32.inc
2  .data
3  array DWORD 1,2,3,4,5,6,7,8,9,10
4  multiplier DWORD 10
5  .code
6  main PROC
7  cld
8  mov esi,OFFSET array
9  mov edi,esi
10 mov ecx,LENGTHOF array
11 L1:
12 Lodsd
13 mul multiplier
14 Stosd
15
16 loop L1
17 Exit
18 main ENDP
19 END main
```

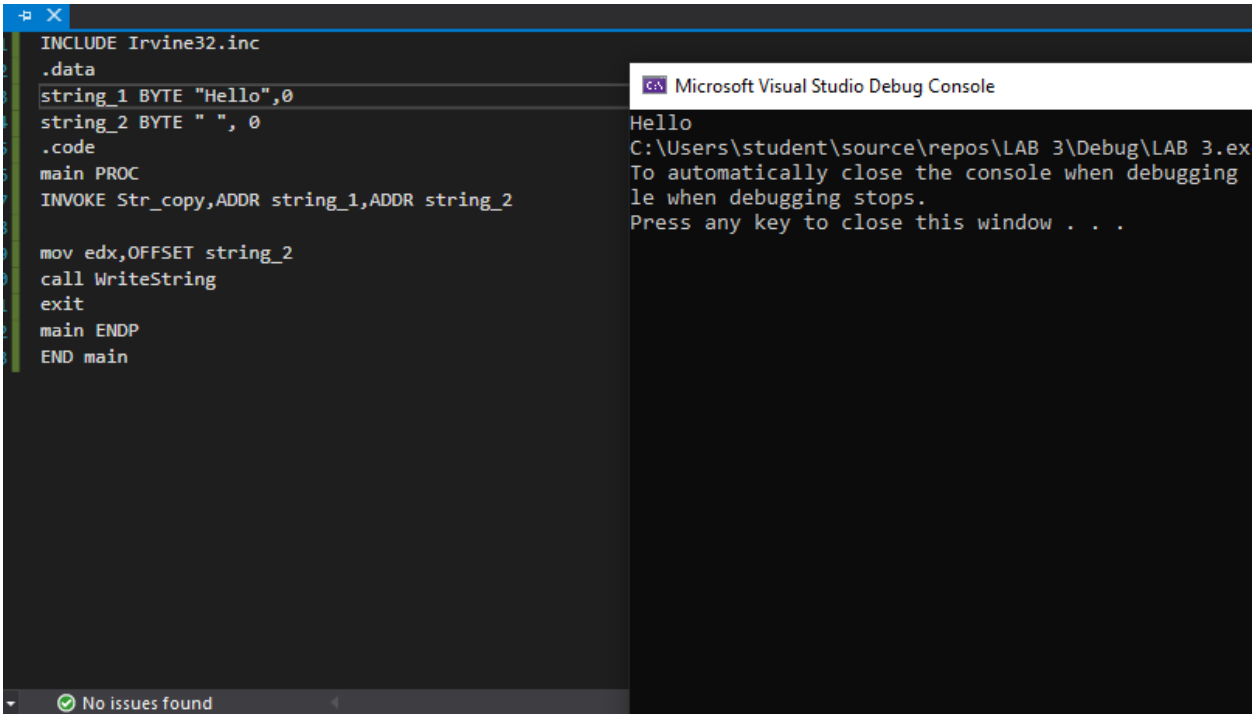
- **Example**



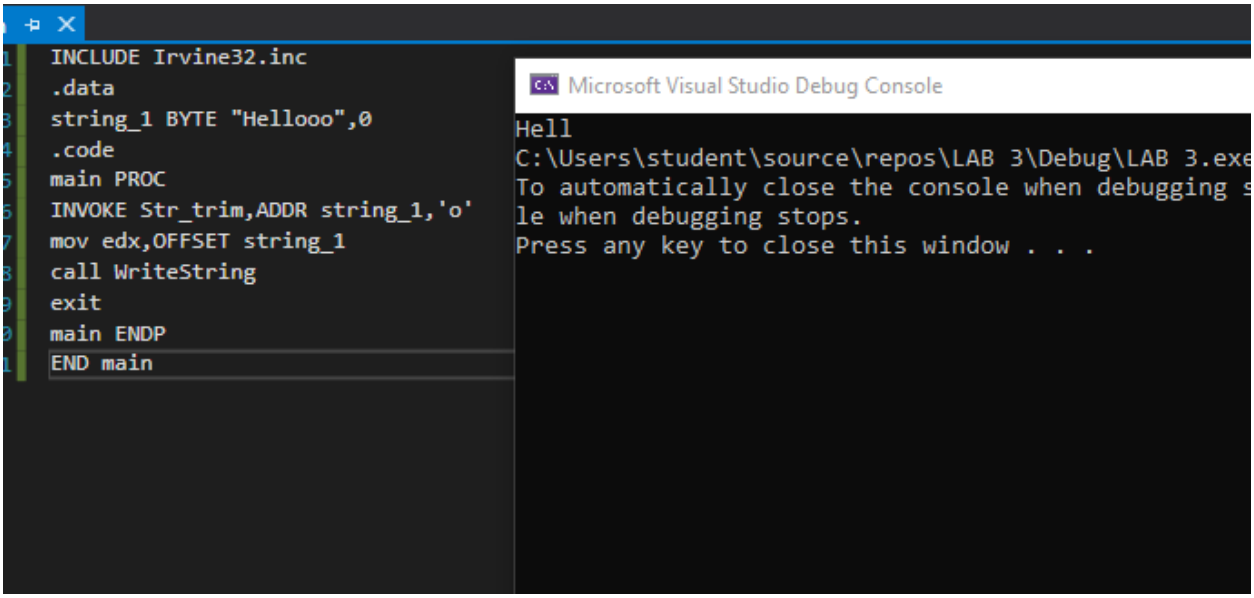
- **Example**



- **Example**



- **Example**

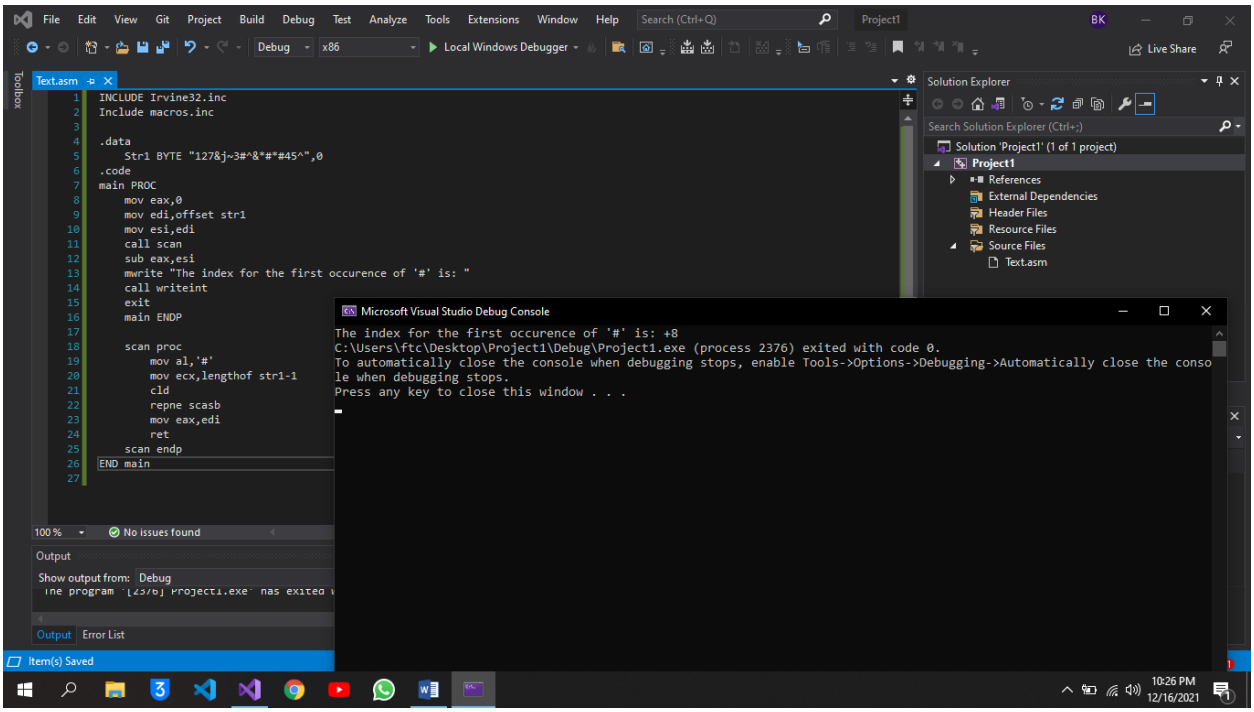


- **Example**

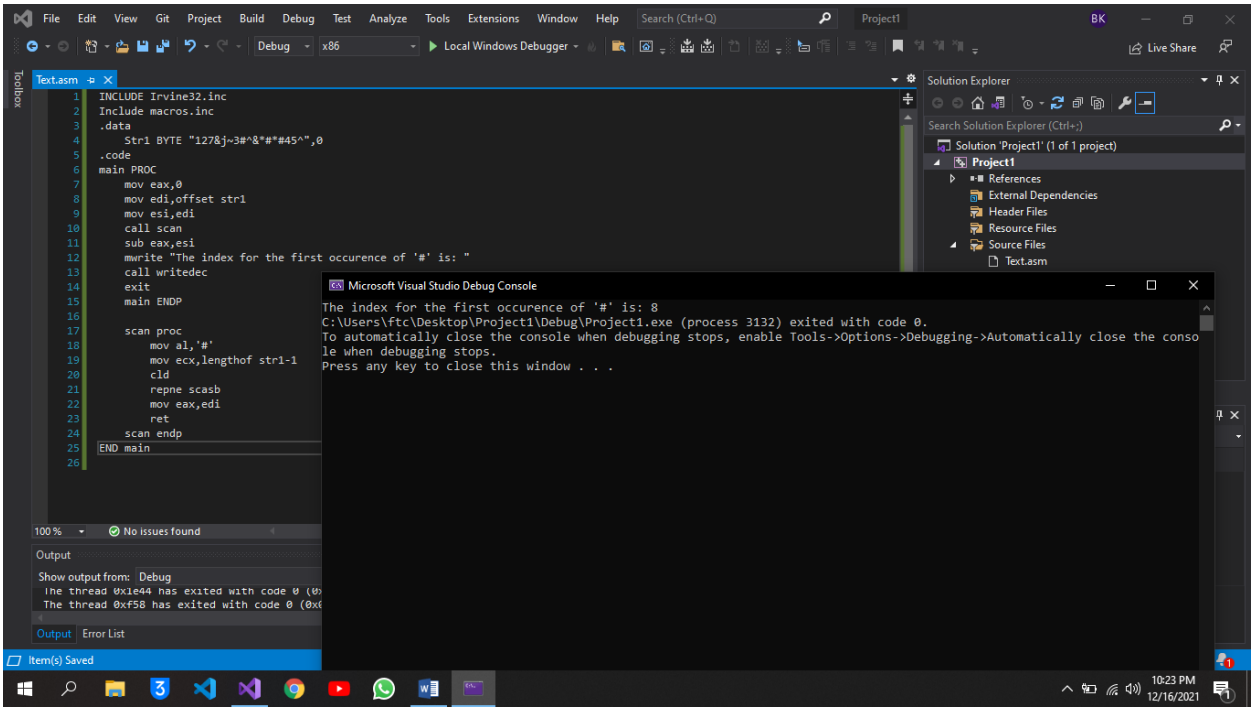
```
1  INCLUDE Irvine32.inc
2  .data
3  string_1 BYTE "My name is",0
4  .code
5  main PROC
6  INVOKE Str_ucase,ADDR string_1
7  mov edx,OFFSET string_1
8  call WriteString
9  exit
10 main ENDP
11 END main
```

```
Microsoft Visual Studio Debug Console
MY NAME IS
C:\Users\student\source\repos\LAB 3\Debug\LAB 3.exe (proc
To automatically close the console when debugging stops,
le when debugging stops.
Press any key to close this window . . .
```

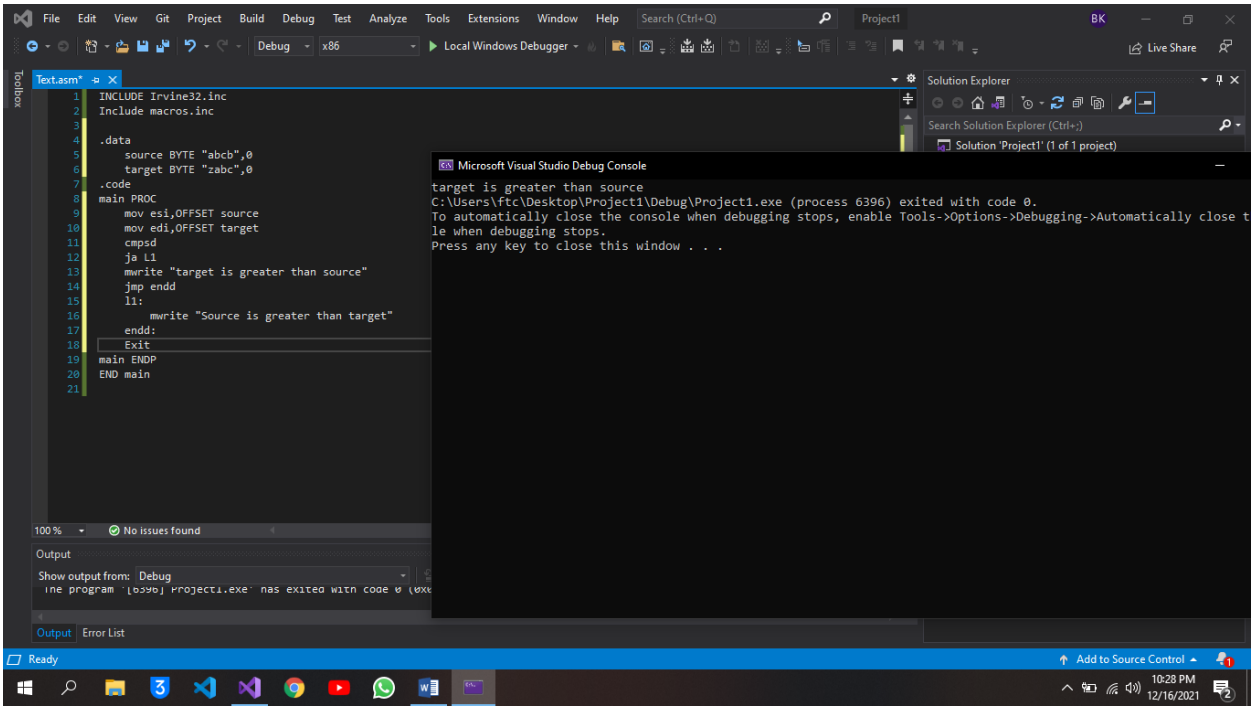
Task#01:



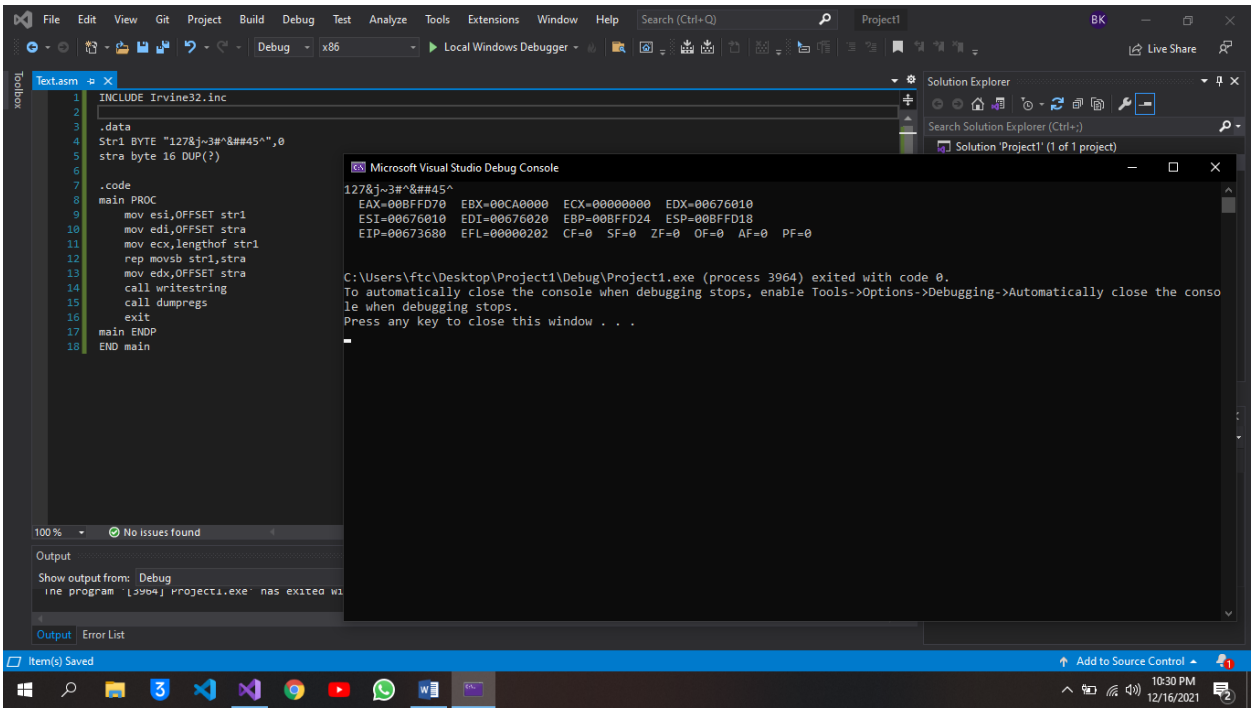
Task#02:



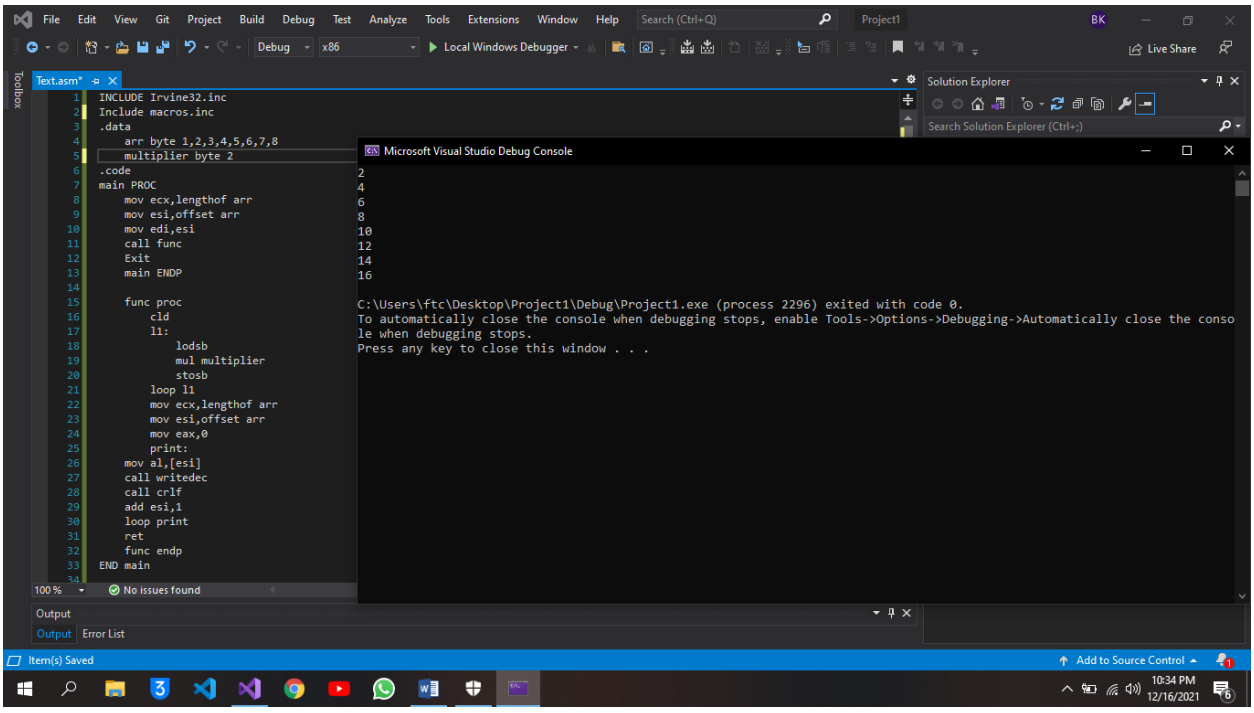
Task#03:



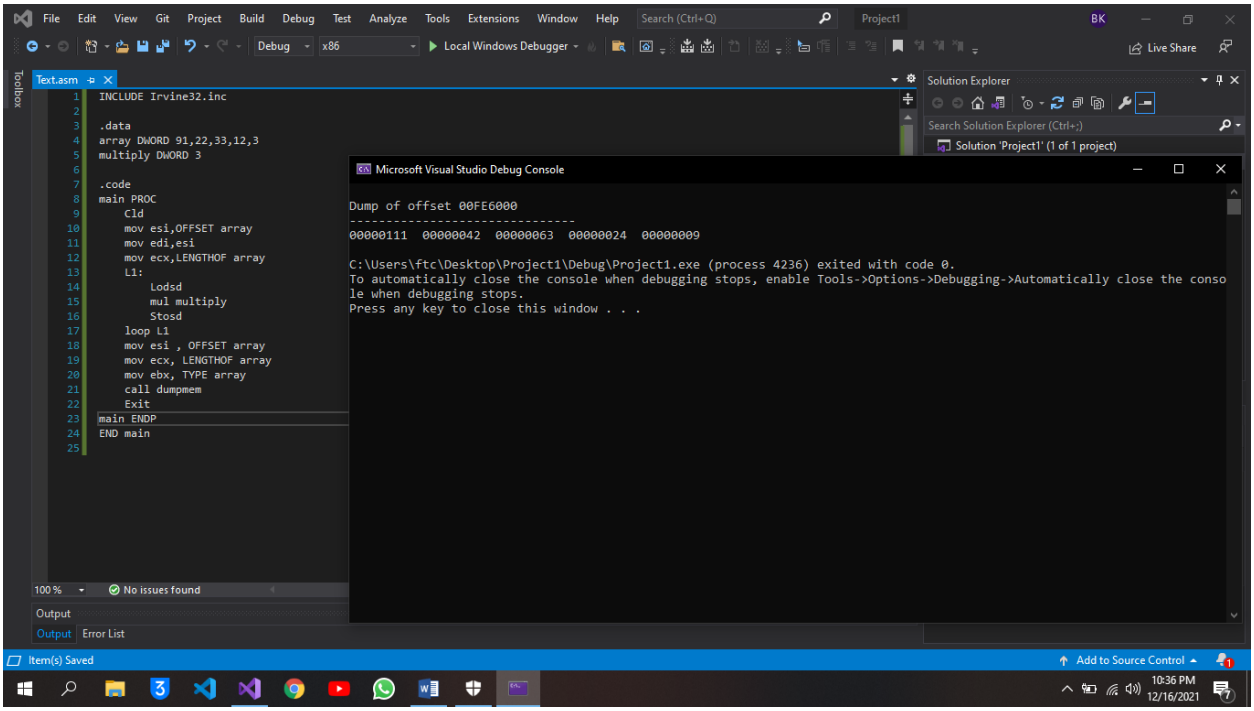
Task#04:



Task#05:



Task#06:


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
Project1
Debug
x86
Local Windows Debugger
Live Share
Text.asm
INCLUDE Irvine32.inc
.data
array DWORD 91,22,33,12,3
multiply DWORD 3
.code
main PROC
Cld
mov esi,OFFSET array
mov edi,esi
mov ecx,LENGTHOF array
L1:
Lodsd
mul multiply
Stosd
loop L1
mov esi , OFFSET array
mov ecx, LENGTHOF array
mov ebx, TYPE array
call dumpmem
Exit
main ENDP
END main
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'Project1' (1 of 1 project)
Microsoft Visual Studio Debug Console
Dump of offset 00FE6000
00000111 00000042 00000063 00000024 00000009
C:\Users\ftc\Desktop\Project1\Debug\Project1.exe (process 4236) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
100 %
No issues found
Output
Output
Error List
Item(s) Saved
Add to Source Control
10:36 PM
12/16/2021