20F-0292_BCS 4D_LAB QUIZ 1
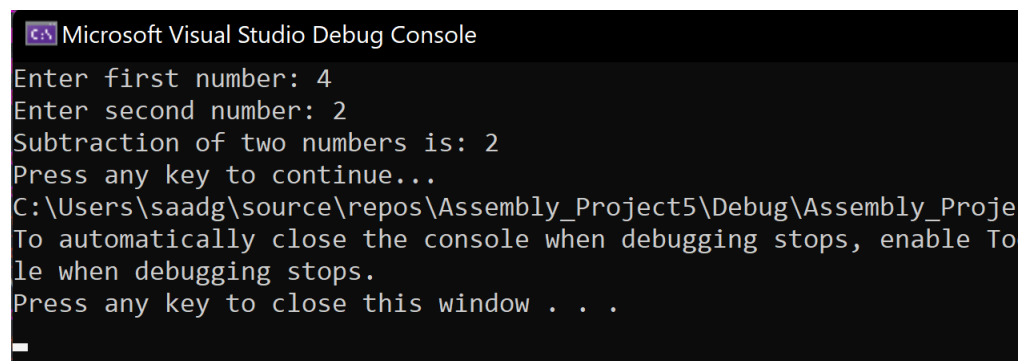
Saad Abdur Razzaq

```asm
INCLUDE Irvine32.inc
.data
msg1 BYTE "Enter first number: ",0
msg2 BYTE "Enter second number: ",0
msg3 BYTE "Subtraction of two numbers is: ",0
var1 DWORD ?
var2 DWORD ?
.code
main PROC
mov edx,offset msg1
call WriteString
call ReadInt
mov eax,var1
mov edx,offset msg2
call WriteString
call ReadInt
mov ebx,var2
mov edx,offset msg3
call WriteString
call SubtractOf
call WriteDec
call crlf
call WaitMsg
exit
main ENDP
SubtractOf PROC
sub eax,ebx
ret
SubtractOf ENDP
END main
```
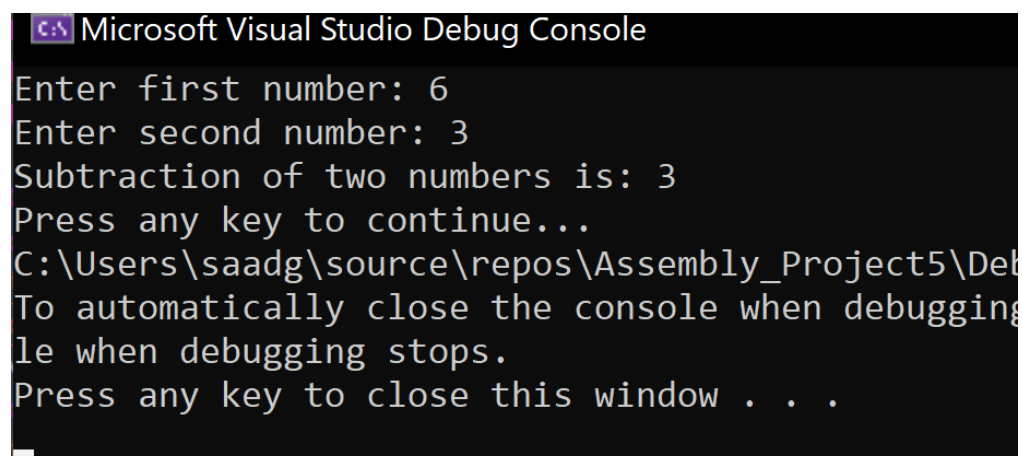
Microsoft Visual Studio Debug Console

```
Enter first number: 4
Enter second number: 2
Subtraction of two numbers is: 2
Press any key to continue...
C:\Users\saadg\source\repos\Assembly_Project5\Debug\Assembly_Proje
To automatically close the console when debugging stops, enable To
le when debugging stops.
Press any key to close this window . . .
```

Microsoft Visual Studio Debug Console

```
Enter first number: 6
Enter second number: 3
Subtraction of two numbers is: 3
Press any key to continue...
C:\Users\saadg\source\repos\Assembly_Project5\Del
To automatically close the console when debugging
le when debugging stops.
Press any key to close this window . . .
```

```
Microsoft Visual Studio Debug Console

Enter first number: 2
Enter second number: 1
Subtraction of two numbers is: 1
Press any key to continue...
C:\Users\saadg\source\repos\Assembly_Project5\Debug\Assembly_Proj
To automatically close the console when debugging stops, enable T
le when debugging stops.
Press any key to close this window . . .
```