```cpp
// Total Amount and ECX Loop.cpp : Defines the entry point for the console application.
//

#include "stdafx.h"


int _tmain(int argc, _TCHAR* argv[])
{
        char msgTotalAmt[] = "Total amount is %d\n\n";
        int testArray[3] = { 8, 6, 4 };

        // _int16 test = -50;

        int loopCounter = 3;

        int totalAmt = 0;
        _asm{

                lea             esi, testArray

                mov             ecx, loopCounter

        addLoop:
                mov             eax, [esi]
                add             totalAmt, eax
                add             esi, 4
                loop    addLoop

                mov             eax, totalAmt
                push    eax
                lea             eax, msgTotalAmt
                push    eax
                call    printf
                add             esp, 8
        }
        return 0;
}
```