

```

; Project 2 ( Other solutions could work as well )

.386
.model flat,stdcall
.stack 4096
ExitProcess proto,dwExitCode:dword

;Setup the input array and the shift variable
.data
    input byte 1,2,3,4,5,6,7,8
    shift byte 2
.code
    main proc
        ; clear up the registers to make sure there is no old values inside them
        .....

        ; Setup EAX register with first and second values from the input array
        .....

        ; Setup EBX register with 3rd and 4th values from the input array
        .....

        ; Setup ECX register with 5th and 6th values from the input array
        .....

        ; Setup EDX register with 7th and 8th values from the input array
        .....

        ; exit the program
        invoke ExitProcess, 0
    main endp
end main

```