**Lab 8 (Portal 9)**

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# **TASK 1**

include Irvine32.inc

.data

arr byte 1,2,3,4,5,6,7,8,9,10

.code

main PROC

mov ecx, LENGTHOF arr

mov esi ,offset arr

l1:

mov eax,[esi]

push eax

add esi,type arr

loop l1

mov ecx, LENGTHOF arr

mov esi ,offset arr

l2:

pop eax

mov [esi],eax

add esi,type arr

loop l2

mov esi,OFFSET arr

mov ecx,LENGTHOF arr

mov ebx,TYPE arr

call DumpMem

exit

main endp

end

# **TASK 2**

include Irvine32.inc

.data

source BYTE "This is the source string",0

target BYTE SIZEOF source DUP('#')

.code

main PROC

mov ecx, LENGTHOF source

mov esi ,offset source

l1:

mov eax,[esi]

push eax

add esi,type source

loop l1

mov ecx, LENGTHOF target

mov esi ,offset target

l2:

pop eax

mov [esi],eax

add esi,type target

loop l2

mov esi,OFFSET target

mov ecx,LENGTHOF target

mov ebx,TYPE target

call DumpMem

exit

main endp

end