**Lab 9 (Portal 10)**

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# **TASK 1**

include Irvine32.inc

.data

space db "      ",0

space2 db "  ",0

.code

main proc

call RAND\_U

call RAND\_S

call readdec

exit

main endp

;------------------------

RAND\_U proc

mov edx,offset space

mov ecx,10

l1:

mov eax,4294967295

call RandomRange

call Randomize

call writedec

call writestring

loop l1

call Crlf

ret

RAND\_U endp

;------------------------

RAND\_S  proc

mov edx,offset space2

mov ecx,10

l2:

mov eax,50

call RandomRange

call Randomize

mov ebx,eax

mov eax,50

call RandomRange

sub eax,ebx

call writeint

call writestring

loop l2

call Crlf

ret

RAND\_S endp

end

# **TASK 2**

include Irvine32.inc

.data

source BYTE &quot;This is the source string&quot;,0

target BYTE SIZEOF source DUP(&#39;#&#39;)

.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