

# Lab Task 09

## Question 1

; Print Characters

Include Irvine32.inc

.code

main proc

mov ecx, 26

mov edx, 65

print\_loop:

call DumpRegs

inc edx

loop print\_loop

exit

main endp

end main

## Question 2

; Find Average

Include Irvine32.inc

.data

numbers dword 0,1,2,3,4,5,6,7,8,9

sum dword 0

count dw 10

.code

main proc

mov eax, 0

mov ecx, count

lea esi, numbers

again:

add eax, [esi]

add esi, 4

loop again

mov ecx, count

div ecx

call DumpRegs

exit

main endp

end main

## Question 3

; Check if number is even or odd

Include Irvine32.inc

.data

```
msg1 dword "Enter number (0-9) = $"
msg2 dword "Given number is even.$"
msg3 dword "Given number is odd.$"
```

.code

main proc

```
    lea edx, msg1
    call WriteString
```

```
    call ReadChar
```

```
    mov ebx, 2
    div ebx
```

```
    cmp edx, 0
    je even_msg
```

```
    lea edx, msg3
    call WriteString
    exit
```

```
even_msg:
    lea edx, msg2
    call WriteString
    exit
```

main endp

main end