LAB 06 – Syed Hanzala Ali – 24K0025

Q1

```
INCLUDE Irvine32.inc

.data
m1 db "Message 1" , 0
m2 db "Message 2" , 0
m3 db "Message 3" , 0

.code
main PROC
    mov edx , offset m1
    call WriteString

    jmp skip

    mov edx , offset m2
    call WriteString

skip:
    mov edx , offset m3
    call WriteString

    exit

main ENDP
END main
```

Q2

```
INCLUDE Irvine32.inc

.data
   num db 1;

.code
main PROC
    mov ecx ,10

L1:
   call WriteInt
   call Crlf
   loop L1
   exit

main ENDP
END main
```

Q3

```
INCLUDE Irvine32.inc

.data
    star db '*';

.code
main PROC
    mov ecx ,5

Outer:
    mov ebx , ecx
Inner:
    mov dl , [star]
    call WriteChar

    dec ebx
    jnz Inner

    call Crlf

    loop Outer

    exit
main ENDP
END main
```

Q4

```
INCLUDE Irvine32.inc

.data
    m1 db "Welcome to COAL LAB 06",0
    m2 db "Program Ended" , 0

.code
main PROC
    call Clrscr

    mov edx , offset m1
    call WriteString

    call Delay

    mov edx , offset m2
    call WriteString

    exit
main ENDP
END main
```