**Assignment #03**

**Name: Basharat Hussain**

**Roll no: P17-6102**

**Section: B**

**Real Address Mode:**

INCLUDE Irvine16.inc

.data

Array1 BYTE 10 DUP(?),0

Array2 BYTE 10 DUP(?),0

.code

main PROC

mov ax,@data

mov ds,ax

mov ah,6Ah

mov bx,0

mov cx,LENGTHOF Array1

mov dx,OFFSET Array1

int 2h

mov ah,6Ah

mov bx,0

mov cx,LENGTHOF Array2

mov dx,OFFSET Array2

int 2h

mov dx,OFFSET Array1

call WriteString

mov dx,OFFSET Array2

call WriteString

quit:

call Crlf

exit

main ENDP

**Protected Mode:**

INCLUDE Irvine32.inc

.data

Array1 BYTE 10 DUP(?),0

Array2 BYTE 10 DUP(?),0

.code

main PROC

mov ah,6Ah

mov bx,0

mov cx,LENGTHOF Array1

mov dx,OFFSET Array1

int 2h

mov ah,6Ah

mov bx,0

mov cx,LENGTHOF Array2

mov dx,OFFSET Array2

int 2h

mov dx,OFFSET Array1

call WriteString

mov dx,OFFSET Array2

call WriteString

quit:

call Crlf

exit

main ENDP

**THE ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^END**