

Lab3

1.Symbolic Integer Constants

Write a program that defines symbolic constants for all of the days of the week. Create an array variable that uses the symbols as initializers.

Ans:

```
INCLUDE Irvine32.inc

sun=1
mon=2
tus=3
wed=4
thr=5
fri=6
sat=7

.data

Week byte sun,mon,tus,wed,thr,fri,sat
weeksize=($-week)

.code
main PROC

    mov al,weeksize
    mov ah, week[2]

    exit                ; exit to operating system
main ENDP

END main
```

2. Symbolic Text Constants

Write a program that defines symbolic names for several string literals (characters between quotes). Use each symbolic name in a variable definition.

Ans:

```
INCLUDE Irvine32.inc
mess textequ <"This is a new program">
ad textequ <offset>
move textequ<mov>
.data
message DB mess
.code
main PROC
    move edx,ad message
    call writestring
    exit ; exit to operating system
main ENDP
END main
```