HOMEWORK 8

1. Create, assemble, and link the source code for prog51.asm. verify that the program

operates correctly. Now, for each of the following, modify the source code as indicated,

reassemble, and indicate how the change affects program operation and/or assembly. If

an error occurs, explain the error message.

10.cseg segment ‘code’

11.assume cs:cseg, ds:cseg,ss:cseg,es:cseg

12. org 100h

13. start: mov ax,0002

14. int 10h.15. mov ah,2

16. mov dx,0a00h

17. mov bh,0

18. int 10h

19. inc AL

20.IIA: INT 10H

21. INC AL

22. CMP AL,80H

23. JNZ 11A

24. INT 20H

25.CSEG ENDS

26.END START

2. Write the program described in Analysis and Design Question 5.2 in assembly language

format using MASM. Verify proper program operation and print a copy of the list file.

MOV AH,00

MOV AL,02

INT 10

MOV AX,0920

MOV BL,1A

MOV CX,07D0

INT 10

MOV AH,0E

MOV AL,00

INT 10

INC AL

CMP AL,80

JNZ 011D

INT 20