UNIVERSITY OF KARACHI



ASSEMBLY LANGUAGE PROGRAMMING

BSCS-403

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Section: A

Semester No: 3rd

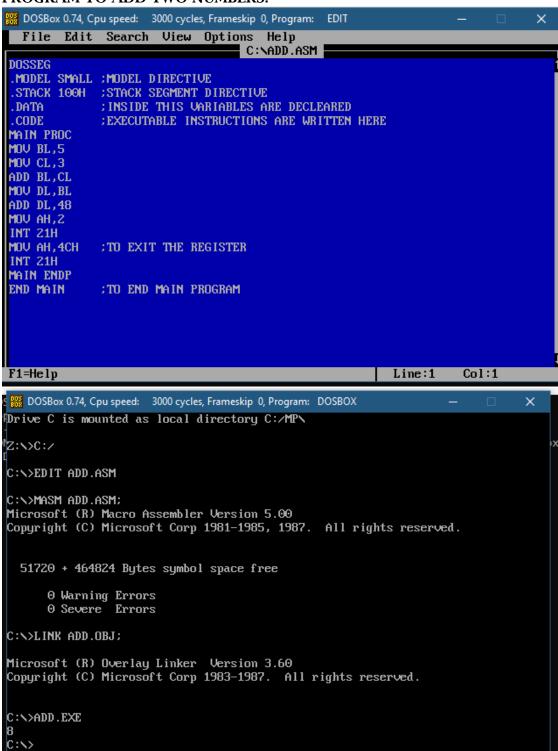
Submitted to: MS FARHEEN FAISAL SIDDIQUI

DEPARTMENT OF COMPUTER SCIENCE

UNIVERSITY OF KARACHI

ASSIGNMENT 2

1. PROGRAM TO ADD TWO NUMBERS:



2. PROGRAM TO SUBTRACT TWO NUMBERS:

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT
                                                                             X
 File Edit Search View Options Help
                                C:\SUB.ASM
DOSSEG
MODEL SMALL : MODEL DIRECTIVE
.STACK 100H :STACK SEGMENT DIRECTIVE
.DATA
             :INSIDE THIS VARIABLE ARE DECLEARED
.CODE
             :EXECUTABLE INSTRUCTIONS ARE DECLEARED HERE
MAIN PROC
MOV BL,6
MOV CL,4
SUB BL,CL
MOV DL,BL
ADD DL.48
MOV AH.2
INT 21H
MOV AH,4CH :TO EXIT THE REGISTER
INT 21H
MAIN ENDP
END MAIN :TO END THE PROGRAM
F1=Help
                                                     Line:1
                                                                  Col:1
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
                                                                             ×
Drive C is mounted as local directory C:/MP\
Z:\>C:/
C:\>EDIT SUB.ASM
C:N>MASM SUB.ASM;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.
 51720 + 464824 Bytes symbol space free
     0 Warning Errors
     0 Severe Errors
C:\>LINK SUB.OBJ;
Microsoft (R) Overlay Linker Version 3.60
Copyright (C) Microsoft Corp 1983-1987. All rights reserved.
C:N>SUB.EXE
 : 🖴
```

3. INPUT TWO NUMBERS AND ADD THEM:

