UNIVERSITY OF KARACHI



ASSEMBLY LANGUAGE PROGRAMMING

BSCS-403

Name of Student: MUHAMMAD AMAS

Seat No: B20102077

Class Roll No: 34

Section: A

Semester No: 3rd

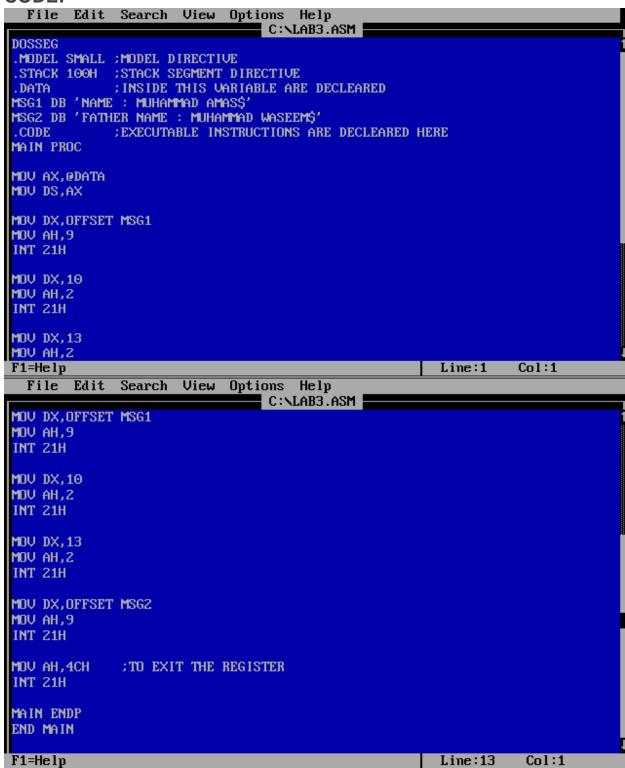
Submitted to: MS FARHEEN FAISAL SIDDIQUI

DEPARTMENT OF COMPUTER SCIENCE

UNIVERSITY OF KARACHI

PROGRAM TO PRINT TWO STRINGS ON TWO DIFFERENT LINES:

CODE:



OUTPUT:

```
C:\>EDIT LAB3.ASM
C:\>EDIT LAB3.ASM
C:\>MASM LAB3.ASM;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.

51670 + 464874 Bytes symbol space free

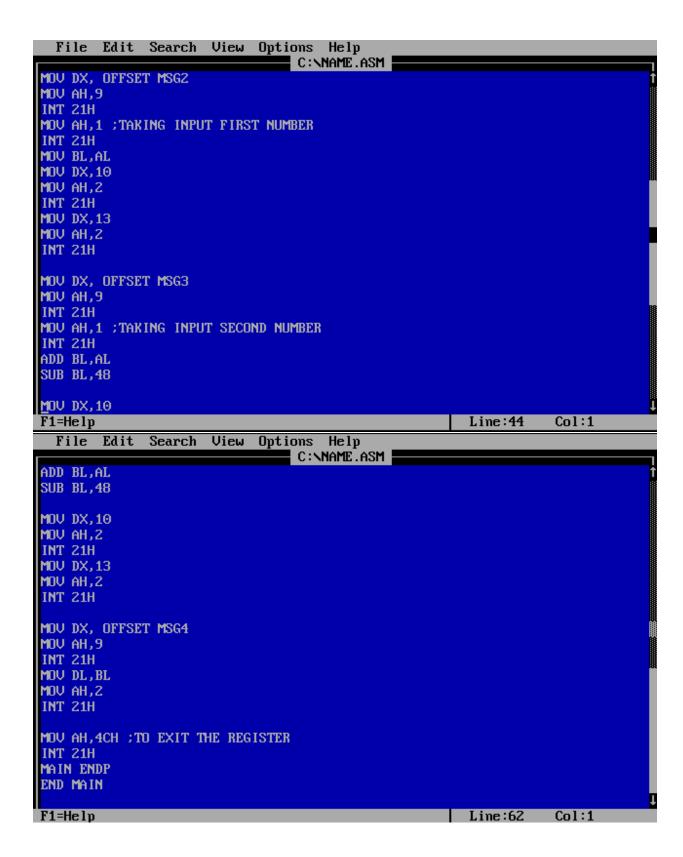
0 Warning Errors
0 Severe Errors
C:\>LINK LAB3.OBJ;
Microsoft (R) Overlay Linker Version 3.60
Copyright (C) Microsoft Corp 1983-1987. All rights reserved.

C:\>LAB3.EXE
MARKE: MUHAMMAD AMAS
FATHER NAME: MUHAMMAD WASEEM
C:\>
```

HOME TASK, TWO DIGITS ADDER

CODE:

```
File Edit Search View Options Help
                                C:\NAME.ASM
DOSSEG
.MODEL SMALL :MODEL DIRECTIVE
.STACK 100H :STACK SEGMENT DIRECTIVE
              :INSIDE THIS VARIABLE ARE DECLEARED
MSG1 DB 'TWO DIGITS ADDER$'
MSG2 DB 'ENTER FIRST DIGIT :$'
MSG3 DB 'ENTER SECOND DIGIT :$'
MSG4 DB 'ANSWER :$'
              :EXECUTABLE INSTRUCTIONS ARE DECLEARED HERE
.CODE
MAIN PROC
MOV AX, @DATA
MOV DS,AX
MOV DX, OFFSET MSG1
MOV AH,9
INT 21H
MOV DX.10
MOV AH,2
INT 21H
MOV DX,13
MOV AH,2
INT 21H
F1=Help
                                                       Line:1
                                                                 Col:1
```



OUTPUT:

```
0 Warning Errors
      O Severe Errors
C:\>MASM_NAME.ASM;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.
 51670 + 464874 Bytes symbol space free
      0 Warning Errors
      O Severe Errors
C:\>LINK NAME.OBJ;
Microsoft (R) Overlay Linker Version 3.60
Copyright (C) Microsoft Corp 1983–1987. All rights reserved.
C:\>NAME.EXE
TWO DIGITS ADDER
ENTER FIRST DIGIT :2
ENTER SECOND DIGIT:3
ANSWER :5
C:\>_
```