

MOHAMMED ARDU HAMID  
IBMI9CS202  
3-D

## Labprog 5 Prog5.asm (comparing strings)

.Model SMALL

.DATA

STR1 DB 10 DUP(0)

STR2 DB 10 DUP(0)

LEN1 DB 00

LEN2 DB 00

MSG1 DB 0DH,0AH,"ENTER FIRST STRING:\$"

MSG2 DB 0DH,0AH,"ENTER SECOND STRING:\$"

MSG3 DB 0DH,0AH,"STRINGS ARE EQUAL\$"

MSG4 DB 0DH,0AH,"LENGTH OF FIRST STRING IS \$"

MSG5 DB 0DH,0AH,"STRINGS ARE NOT EQUAL\$"

MSG6 DB 0DH,0AH,"LENGTH OF SECOND STRING \$"

MSG7 DB 0DH,0AH,"LENGTH OF STRING \$"

.CODE

MOV AX,@DATA

MOV DS,AX

LEA DX,MSG1

MOV AH,09H

INT 21H

MOV AH,09H

INT 21H

LEA DX,MSG5

MOV AH,09H

INT 21H

MOV DI, LEN1

ADD DI, 30H

MOV AH, 02H

INT 21H

LEA DX, MSn6

MOV AH, 09H

INT 21H

MOV DI, LEN2

ADD DI, 30H

MOV AH, 02H

INT 21H

LAST: MOV AH, 4CH

INT 21H

END

MOV SI, 00

MOV DI, 00

MOV CL, LEN1

BACK3: MOV AL, STR1[SI]

CMPI AL, STR2[DI]

JNE NOTEQUAL

INC SI

INC DI

DEC CL

JNZ BACK3

Fantastic



LEA DX, MSG3

MOV AH, 09H

INT 21H

LEA DX, MSG7

MOV AH, 09H

INT 21H

MOV DL, LEN1

ADD DL, 30H

MOV AH, 02H

INT 21H

JMP LAST

NOT EQUAL: LEA DX, MSG4

MOV AH, 09H

INT 21H

LEA DX, MSG5

MOV AH, 09H

INT 21H

MOV DL, LEN1

ADD DL, 30H

MOV AH, 02H

INT 21H

LEA DX, MSG6

MOV AH, 09H

INT 21H

MOV DI, LEN2

ADD PL, 30H

MOV AH, 01H

INT 21H

END