

LAB - 9

2 Strings are equal.

.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, "STRINGS ARE NOT EQUALS"

MSG5 DB 0DH, 0AH, "LENGTH OF FIRST STRING IS \$"

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

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

- LODI3

MOV AX, @DATA

MOV DS, AX

LEA DX, MSG1

MOV AH, 09H

MESID
RAZZ

INT 21H

MOV SE, 00

BACK 1: MOV AH, 07H

INT 21H

CMP AL, 0DH

JE NEXT1

MOV [STR1+SE], AL

INC SE

INC LEN1

JMP BACK1

NEXT 1: LEA DX, MSG1

MOV AH, 09H

INT 21H

MOV SE, 00

BACK 2: MOV AH, 07H

INT 21H

CMP AL, 0DH

JE NEXT 2

MOV [STR2+SE], AL

INC SE

INC LEN2

MESID
RAZZ

JMP BACK2

NEXT2: MOV AL, LEN1
CMP AL, LEN2
JNE NOTEQUAL
MOV SI, 00
MOV DI, 00
MOV CL, LEN1

BACK3: MOV AL, STR1[SI]
CMP AL, STR2[DI]
JNE NOTEQUAL
INC SI
INC DI
DEC CC
JNZ BACK3

LEA DX, MSG3
MOV AH, 09H
INT 21H
LEA DX, MSG7
MOV AH, 09H
INT 21H

MESID
RAZZ

MOV DL, LEN1

ADD DL, 30H

INT 21H

JMP LAG

NOTEQUAL: LEA DX, MSG4

MOV AH, 09H

INT 21H

LEA DX, MSG5

MOV AH, 09H

INT 21H

MOV DL, LEN1

ADD DL, 30H

MOV AH, 09H

INT 21H

LEA DX, MSG6

MOV AH, 09H

INT 21H

MOV DL, LEN2

ADD DL, 30H

MOV AH, 02H

INT 21H

LAG: MOV AH, 4CH

INT 21H

END

MESID
RIZZ