Họ tên: Nguyễn Nhật Trường Lớp: CTK45A MSSV: 2111903

Lý thuyết

Bài 1.

0A25h:CD09h

= 0A25h x 10h + CD09h

= 0A250h + CD09h

= 16F59h (địa chỉ vật lý)

Bài 2.

a) 4A37Bh – 40FF0h = 938Bh (địa chỉ ô)

b) 4A37Bh – 123Bh = 49140h

🡪 4914h (địa chỉ đoạn)

Bài 3.

ABCDEF0123 🡪 AB CD EF 01 23

* EF01

Bài 4.

12A45 🡪 3132413435

Bài 5.

Org 100h

A DB 7

B DW 1ABCh

C DB ‘HAO’

Rest

A (0000h)

B (0001h – 0002h)

C (0003h – 0004h – 0005h)

Bài 6.

B = B – A – 1

SUB B,A (B🡨B – A)

SUB B,1 (B🡨B – 1)

Bài 7.

C = B\*2-A\*3

MUL B,2 (B🡨B \* 2)

MUL A,3 (A🡨A \* 3)

SUB B, A (B🡨B – A)

MOVE C, B (C🡨 B)

Bài tập

Bài 1.

.MODEL SMALL

.STACK

.DATA

string DB 10, 13, 'Hello, world!$'

string1 DB 10, 13 , 'Hello, solar system!$'

string2 DB 10, 13 , 'hello,universe!$'

.CODE

MOV AX, @DATA

MOV DS, AX

MOV AH, 09H

LEA DX, string

INT 21H

MOV AH, 09H

LEA DX, string1

INT 21H

MOV AH, 09H

LEA DX, string2

INT 21H

MOV AH, 4CH

INT 21H

Bài 2.

.MODEL SMALL

.STACK

.DATA

string DB 10, 13, 'hay nhap 1 ky tu:$'

string1 DB 10, 13 ,'ky tu da nhap:$'

char db ?

.CODE

MOV AX, @DATA

MOV DS, AX

MOV AH, 09H

LEA DX, string

INT 21H

;nhap 1kt

MOV ah, 01h

INT 21h

MOV char, al

MOV AH, 9H

LEA DX, string1

INT 21H

;xuat

MOV ah, 2h

MOV dl, char

INT 21h

MOV AH, 4CH

INT 21H

Bài 3.

.MODEL SMALL

.STACK

.DATA

string DB 10, 13, 'hay nhap 1 ky tu:$'

string2 DB 10, 13 ,'ky tu dung truoc:$'

string3 DB 10, 13 ,'ky tu dung sau:$'

char db ?

.CODE

MOV AX, @DATA

MOV DS, AX

MOV AH, 09H

LEA DX, string

INT 21H

;nhap 1kt

MOV ah, 01h

INT 21h

MOV char, al

MOV AH, 9H

LEA DX, string2

INT 21H

;xuat

MOV ah, 2h

MOV dl, char

DEC dl

INT 21h

MOV AH, 9H

LEA DX, string3

INT 21H

;xuat

MOV ah, 2h

MOV dl, char

INC dl

INT 21h

MOV AH, 4CH

INT 21H

Bài 4.

.MODEL SMALL

.STACK

.DATA

string DB 10, 13, 'hay nhap 1 ky tu:$'

string1 DB 10, 13 ,'ky tu da nhap:$'

string2 DB 10, 13 ,'ky tu dung truoc:$'

string3 DB 10, 13 ,'ky tu dung sau:$'

char db ?

.CODE

MOV AX, @DATA

MOV DS, AX

MOV AH, 09H

LEA DX, string

INT 21H

;nhap 1kt

MOV ah, 01h

INT 21h

MOV char, al

MOV AH, 9H

LEA DX, string1

INT 21H

;xuat

MOV ah, 2h

MOV dl, char

INT 21h

MOV AH, 9H

LEA DX, string2

INT 21H

;xuat

MOV ah, 2h

MOV dl, char

DEC dl

INT 21h

MOV AH, 9H

LEA DX, string3

INT 21H

;xuat

MOV ah, 2h

MOV dl, char

INC dl

INT 21h

MOV AH, 4CH

INT 21H

Bài 5.

.MODEL SMALL

.STACK

.DATA

string DB 10, 13, 'hay nhap 1 ky tu 1:$'

string1 DB 10, 13 ,'hay nhap 1 ky tu 2:$'

string2 DB 10, 13 ,'ky tu tong:$'

;char db ?

.CODE

MOV AX, @DATA

MOV DS, AX

;XUAT 1

LEA DX, STRING

MOV AH, 09H

INT 21H

;NHAP1

MOV AH, 01H

INT 21H

MOV CH, AL

INC CH

;XUAT 2

LEA DX, STRING1

MOV AH, 09H

INT 21H

;NHAP2

MOV AH, 01H

INT 21H

MOV CL, AL

INC CL

;XUAT KET QUA

LEA DX, STRING2

MOV AH, 09H

INT 21H

MOV DL, CH

ADD DL, CL

MOV AH, 2H

INT 21H

MOV AH,4CH

INT 21H