Md. NVII-E-172am 10: 15122 68 042

Section: of

CSE-331 LAB

MOLABEZ 2

DTopics to be covened a voi

1. Coreating variables

2' en eating Annoys

3. (Treate constants

4. Introduction to INC, DEC, LEH. instruction

5. Learn now to access memory.

son e army dolf, it son examples:

I cheating vaniable,

Syntax for a variable declaration:

name DB value

1876 JA VOM

name Dw Value

Day
Time: Date: / /

I en eating constants

Syntax for a constants declaration.

mame EQU Lany exprisession?

FOR example:

K EQU 5 Letters and at 20171

O eneating Annays!

Some away deffinition examples:

look a blattor o rat softens.

a DB 48h, 65h, 6ch, 6ch, 6Fh, ooh

SYNDICH GOVER AND TO BE

at word something of the

b BDB & Hello', O

element in away using square bordckets, for example:

CEJA, JA VOM

=> YOU can also use any of the memony index registers Bx, SI, DI, BP, for example:

MOV AL, REST

oray you can use DUP openator.

10 - 791

Ph + 0/5

Diffhe synitax for DUP

number Dup (value (s))

foor example is the xil

C DB 5 (DU10 (9)

ist and alternative way of declaring.

C DB 9, 9, 9, 9, 9

one mosse example:

I Memony Access:

To Acress memory, we can use these four meansterns: BX

Dp

of sou men of the sol file

$ \begin{bmatrix} 3x + si \end{bmatrix} \begin{bmatrix} 3x + si \end{bmatrix} \begin{bmatrix} 3p + si \end{bmatrix} \begin{bmatrix} 3p + si \end{bmatrix} $	[SI] [DI] [DI] [BX] (10) 20 (2011)	[Bx + S1 + 48] [Bx + D1 + 48] [Bp + D1 + 48]
[13x + 98] [130 + 98] [21 + 98]	[Bx +31+d1] [Bx +01+d1] [Bp +31 +d1] [Bp +01+d1]	[DI + d16]

(51) gud 3 10 1

2. per all glades

a Declaring Amay:

Amay Name db size DUP (?)

now I work of the de mother of and

[Value initialize in toothe is hom .]

anni 90 20 906 (2/10/15)

a Index Values!

Movy bx, 10ff cet wino

mor [bx], 6; inc bx

MON [px+], 10

mov [6x+9], 9

I OFFSET!

offset is an assemblen dinective in x86 assembly language. It actually means "address" and is a way of handling the overloading of the "mor" instruction.

Also me to illustrate the usage -

	Day			
Sub:				-
	Time :	Date:	11	

1. mor si, offset voriable

and some of and the

2. mov si, voniable

As a matter of style, when I write X86 assembler I would write it this way

1. mor si, offset variable

2. mov si, [vaniable]

The Square brockets aren't necessary to they made it much elemen while loading the contents rather than the address.

of HX i Me W

p. Pray 1 von

by not not to make any Marie of the second

where I are now it great so the same of the

a sett gollback to you a charge