CSE331L-2-Variables, Ilo; Armay.

Dicreating Variables

Syntax for a variable declaration:

name DW value in wind.

Killille of " Broads.

DD = stands for Define Byte.

DW = stands for Define World.

name - can be cony letter on digit combinations
though it should start with a
letter. It's possible to declare
unamed variables by not specifying
the macme.

· value = can be any numeric value in any supported numbering system on "?" symbol forz.

System on "?" symbol forz.

variables that are notified pritialized.

Decreating Constants Constants are just like variables, but they exist only until your program is compiled. After definition of a constant its value cannot be changed. To define constants EQU dinective 19 used: name EQU Large expressions For example: Mov S.T.3 K EQU 5 [T] O. JA VOM MOVAX, K The neating Amrage Annays can be seen as chairs of variables. A text string is an example of or byte array, each chanacter is presented as an ASCII code value. a DB 48h, 65h, 6Ch, 6Ch, CPh,00h b DB 'Hello', O

· You can access the value of any element in arrivery using square · breakets, forz example:

MOV ALT at [3]

· You can also use any of the memoring index tregisters BX, SI, DI, BP, forz example:

MOV SI, 3 MOV AL, a[SI]. H MOVOM

I.f you need to declare a large array you can use DVP openators. The system for DVP:

is an alternative way of declaring: CDB 9,9,99,9

4 Memory Acres

To access memory, we can use these four use four registers:

BX, SI, DI, BP. Combining these registers

inside [] symbols, we can get

deifferent memory locations.