Variables

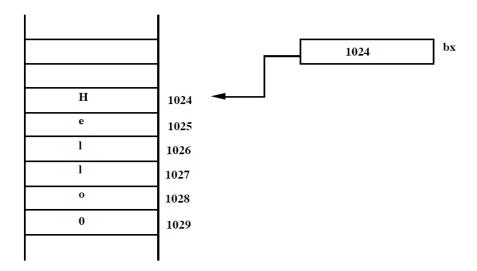
Directive Addressing

Name	means	example	size/bit	size/byte
DB	Define byte	Ύ'	8bits	1byte
DW	Define word	12345/-12345	16bits	2bytes
DD	Define double word	1.234	32bits	4bytes
DQ	Define Quad word	12345678910	64bits	8bytes
DT	Define Ten Bytes	10^100	80bits	10bytes

Indirect Addressing

Defined a string variable **message** as message db 'Hello', If the 'H' is in location 1024, then 'e' will be in location 1025,'l' will be in location 1026 and so on. [BX/bx]

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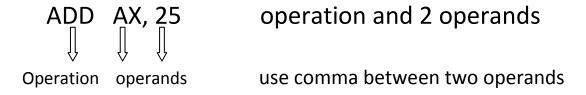


Use the Bx register for indirect addressing

Assembly Language Format Instructions

Label Operation Operands ; Comment

- 1. All four fields need **not** be present in every instruction
- 2. operation field is always necessary
- 3. Operand fields may or may not be required depending on the operation field.
- 4. If necessary use comment.



L1: cmp bx, cx ; Compare bx with cx all fields present operation and 2 operands

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inc bx
ret
; Comment: whatever you wish !!

operation and 1 operand operation field only Comment field only

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