



Defining Data in assembly



Defining bytes

Syntax:

`<var_name>`: `db` `<assign data>`
Define Byte



Defining a word (2 byte)

Syntax:

`<var_name>`: `dw` `<assign data>`
 Define word

4 bytes



Defining a word (2 byte)

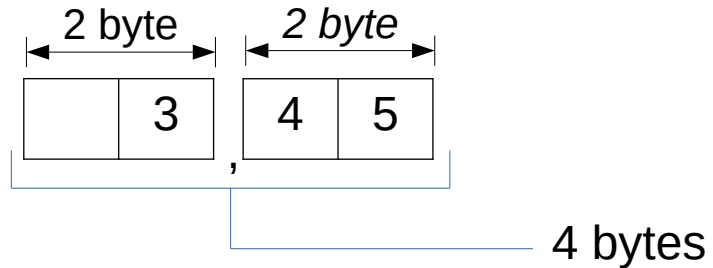
Syntax:

`<var_name>`: **dw** `<assign data>`
 Define word

Example:

Number:

dw





Defining a double word (4 byte)

Syntax:

`<var_name>`: `dd` `<assign data>`
 Define double word



Defining a double word (4 byte)

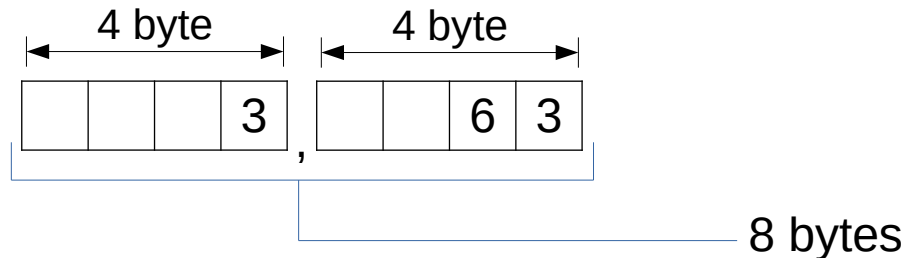
Syntax:

`<var_name>`: **dd** `<assign data>`
 Define double word

Example:

Number:

dd





Defining a quad word (8 byte)

Syntax:

`<var_name>`: dq `<assign data>`
Define quad word



Defining a byte array (multiple bytes)

Syntax:

`<var_name>`: times `<no. Of bytes>` **db** `<data>`

10 byte



Defining byte in **.bss** section

Syntax:

`<var_name>`: `resb` `<data count>`
Reserve `byte`

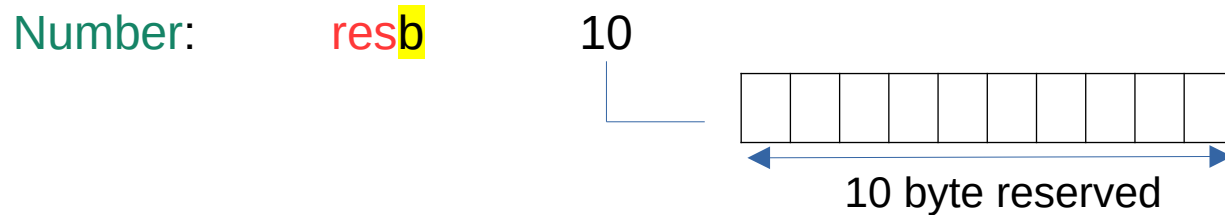


Defining byte in **.bss** section

Syntax:

`<var_name>`: `resb` `<data count>`
Reserve byte

Example:





Defining word (2 byte) in **.bss** section

Syntax:

`<var_name>`: **resw** `<data count>`
 Reserve **word**



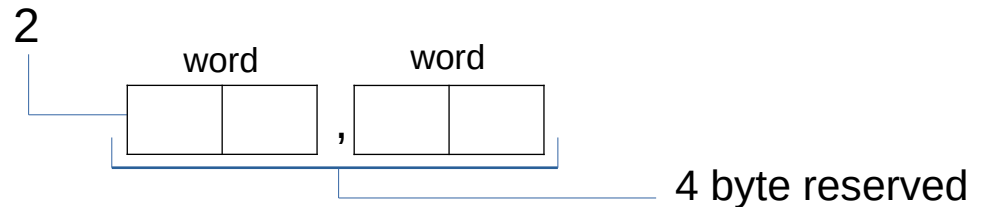
Defining word (2 byte) in **.bss** section

Syntax:

`<var_name>`: `resw` `<data count>`
Reserve word

Example:

Number: `resw`





Defining double word (4 byte) in **.bss** section

Syntax:

`<var_name>`: **resd** `<data count>`
Reserve **double word**



Defining double word (4 byte) in **.bss** section

Syntax:

`<var_name>`: **resd** `<data count>`
Reserve **double word**

Example:

