

package _ main

import _ "fmt"

func _ main () _ {

var n, i ~~int~~

fmt. Print ("Quante volte? ")

fmt. Scan (&n)

for i=0; i<n; i++ {

~~var~~ ~~fmt. Println ("Ciao")~~

~~y~~

NON ESISTE PW
x

}

package

main

intestazione
della funz.
main

[direttive di importaz.]

func main() {

corpo della
funzione

}

IMPORTAZIONE MULTIPLE

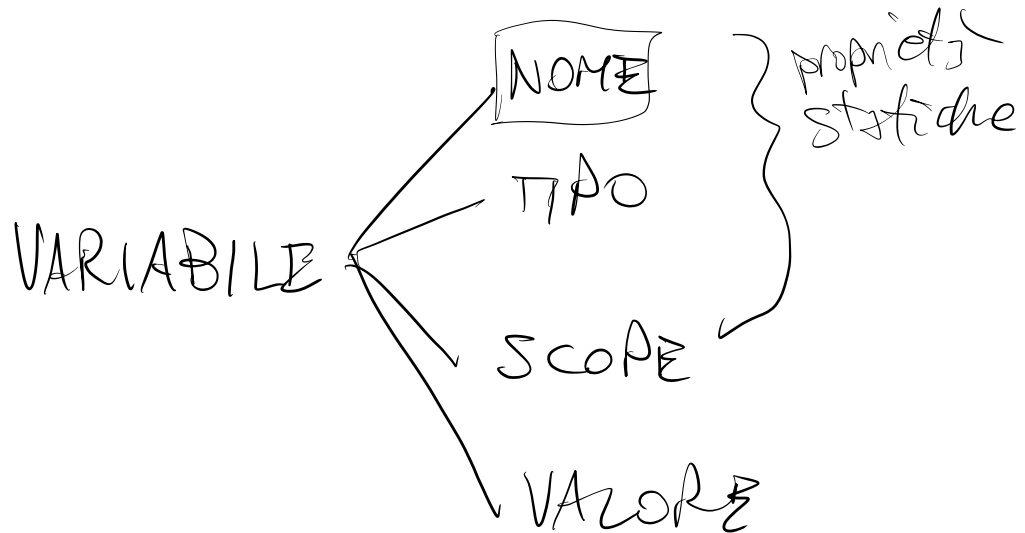
```
import "with"  
import "fmt"
```

```
import (  
    "with"  
    "fmt"  
)
```

IMPORTAZIONE
FAVORIZZATA

VARIABILI

- VARIABLE $\leftarrow$ astrazione per memoria



SINTASSI DI DICHIARAZIONE

var {id}, {id}, ..., {tipo}

{ - - - - }

Blocco

}

{

}

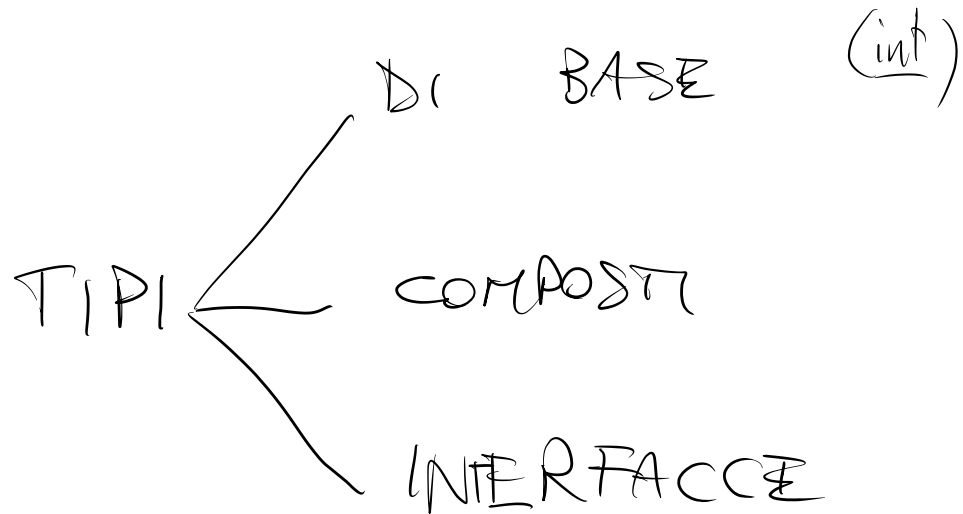
var

→ {
[]
}

{
}
}

|||

}



IL TIPO int

-VALORI POSSIBILI: ~~Z~~

$\begin{bmatrix} -2 \cdot 145 \cdot 372 \cdot 415 \\ \downarrow \\ +2 \cdot 145 \cdot 372 \cdot 416 \end{bmatrix}$

var x, a, b int

ASSEGNAZIONE



var = espress.

x = 31

x [0]

a = 5

a [42]

x = a + x

b [42]

b = x + a + 1

x = 0

→ a = b

fmt.Println(x)

fmt.Println(a)

fmt.Println(b)

Var a, b, x int

$$x = 3$$

$$a = x * 5$$

$$b = a + 3$$

$$x = a + b$$

fat. Println(x)

x 33

a 15

b 18

P1 $\left[\begin{array}{l} \underline{\text{var}} \quad a, b \quad \underline{\text{int}} \\ a = \underline{\underline{b}} + 1 \end{array} \right]$ VARIABLE
Now
INIT.
VARIABLE
ZERO

P2 $\left[\begin{array}{l} \underline{\text{var}} \quad a, \underline{b} \quad \text{int} \\ a = 3 \end{array} \right]$ NON
CORRECT

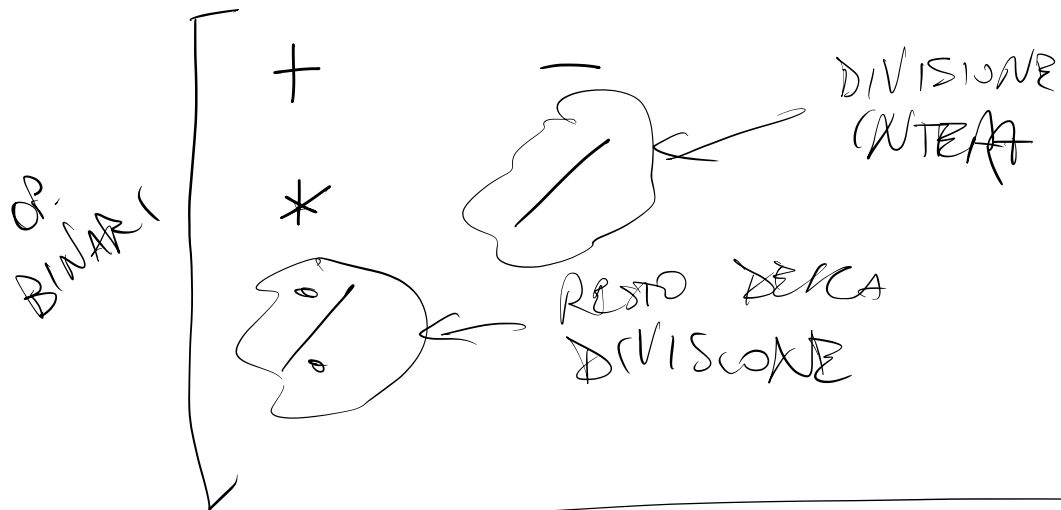
var $a=5, \quad b=3$ int

var a, b int

$a=5$

$b=3$

OPERATORI (int)



Var a, b, c, d int

$a = 13$

a $\boxed{13}$

$b = 5$

b $\boxed{5}$

$c = a / b$

c $\boxed{2}$

$d = a \% b$

d $\boxed{3}$

$$X = \underbrace{2} + \underbrace{3}$$

$$X = 3 + 2$$

$$X = 2 - 3$$

$$X = 3 - 2$$

$$X = (2 * 3) + b$$

①

$$X = 2 * (3 + b)$$

②

$$X = 2 * 3 + b$$

③
≡ ⑤

Var a, b, x, y int

$$a = 3 + b$$

$$b = 2 * a$$

$$x = a \% 2$$

$$y = (a + x) * (x - b)$$

fmt.Println(y)

SHORT ASSIGNMENT

$\{var\} := \{espr\}$

- DECLARATION + INITIALIZE.
- TYPE INFERENCE