

## Golang Variable

A **variable** is something that can be changed. In computer programming we use variables to store information that might change and can be used later in our program.



Fig: A

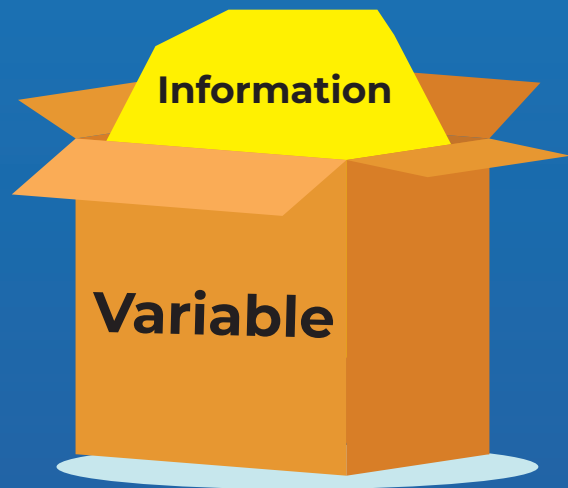


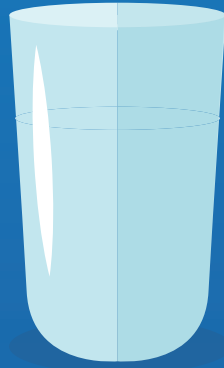
Fig: B

In fig- A information of the box is white. In fig B information changed in yellow but the Box remain same. Here box is a variable which can store different information.

Information that is stored in a variable is called value.

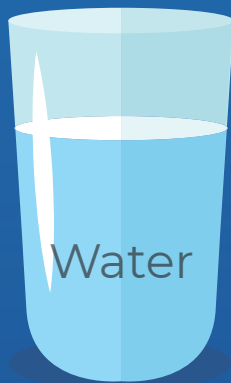
## Let's think variable in a different way

Suppose, You have a glass



You can drink water using this glass.

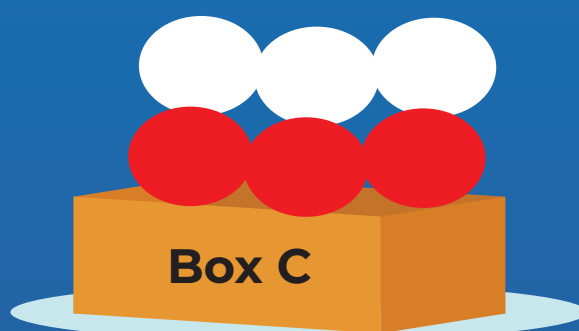
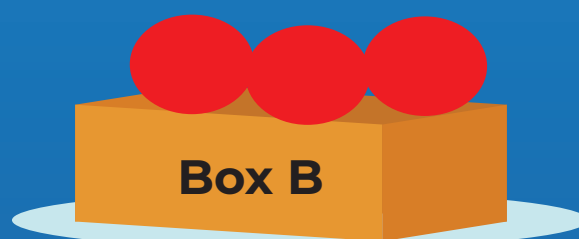
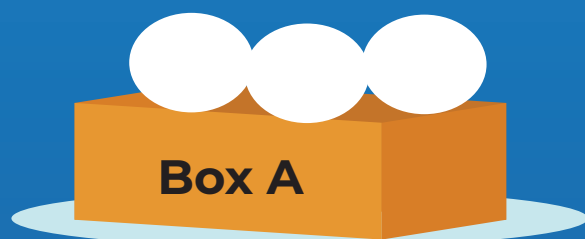
You can also drink milk using this glass.



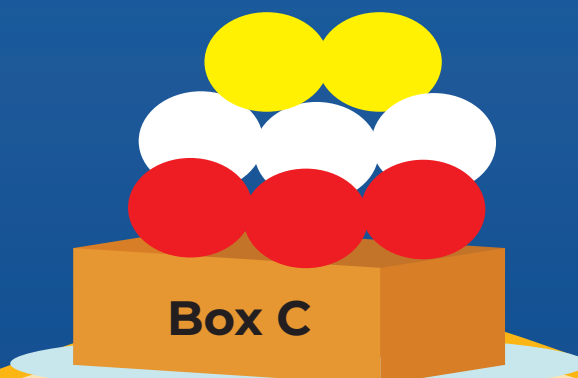
Here glass is **variable**. Water, milk is **value**.

When we give variable a value we say that we are **assigning a value** into a variable.

Let's do some variable fun

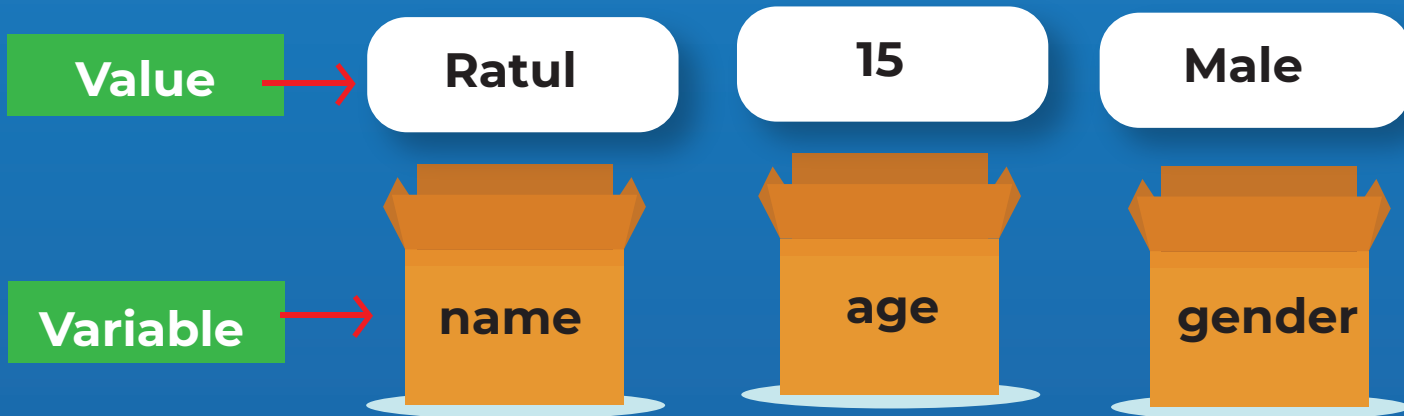


There are some ball in Box A and B.  
We added all the ball and stored in Box C



If we add some more ball in Box C.  
The value of this box changes.

## Assign value in the following variable



## Let's assign this value using golang code

We have to write **var** to declare a variable

After declaring variable we have to write the **variable name**. Here variable name is **age**.

After writing the variable name we have to mention the **data type**. Here data type for gender is **string**

```
package main
```

```
import "fmt"
```

```
func main() {
```

```
    var name string = "Ratul"
```

```
    var age int = 15
```

```
    var gender string = "Male"
```

```
    fmt.Println(name, age, gender)
```

```
}
```

"Ratul" is value of name variable which is string type of data.

15 is value of age variable which is integer type of data.

"Male" is value of gender variable which is string type of data.



## Exercise

Assign value in the following variable and write the golang code

Value






Variable






Complete the golang code

```
package main
```

```
import "fmt"
```

```
func main() {
```

```
    var country string = "
```

```
    var year int = 
```

```
    var language = " "
```

```
    fmt.Println(country, year, language)
```

```
}
```