

Scala Maps

Map is used to store elements. It stores elements in pairs of key and values. In scala, you can create map by using two ways either by using comma separated pairs or by using rocket operator.

Scala maps Example

In the following example, we have both approaches to create map.

```
object MainObject{  
  def main(args:Array[String]){  
    var map = Map(("A","Apple"),("B","Ball"))  
    var map2 = Map("A"->"Aple","B"->"Ball")  
    var emptyMap:Map[String,String] = Map.empty[String,String]  
    println(map)  
    println(map2)  
    println("Empty Map: "+emptyMap)  
  }  
}
```

Output:

Map(A -> Apple, B -> Ball)

Map(A -> Aple, B -> Ball)

Empty Map: Map()

Scala Map Example: Adding and Removing Elements

You can add and remove new elements in maps. Scala provides you lots of predefined method. You can use them to perform operations on the Maps. In the following example, we have created a new Map.

```
object MainObject{  
  def main(args:Array[String]){
```

```
var map = Map("A"->"Apple","B"->"Ball")      // Creating map
println(map("A"))                             // Accessing value by using key
var newMap = map+("C"->"Cat")                 // Adding a new element to map
println(newMap)
var removeElement = newMap - ("B")            // Removing an element from map
println(removeElement)
}
}
```

Output:

Apple

Map(A -> Apple, B -> Ball, C -> Cat)

Map(A -> Apple, C -> Cat)