

map

map和切片结合

元素为map的切片

值为切片类型的map

Go语言中提供映射关系的容器为map，内部使用哈希表实现

```
1 var a1 map[string]int
2 a1 = make(map[string]int, 10) //要估算好map容量，避免动态扩容
3 a1["理想"] = 9000
4 a1["李静"] = 35
5 fmt.Println(a1)
6 fmt.Println(a1["理想"])
7 //map的遍历
8 for k, v := range a1 {
9     fmt.Println(k, v)
10 }
11 //删除键值对
12 delete(a1, "李静")
13 for k, v := range a1 { ... }
```

map和切片结合

元素为map的切片

```
1 //元素类型为map的切片
2 var s1 = make([]map[int]string, 10, 10)
3 for i := 0; i < len(s1); i++ {
4     s1[i] = make(map[int]string)
5 }
6 s1[0][100] = "王文宇"
7 fmt.Println(s1[0][100])
```

值为切片类型的map

```
1 //值为切片类型的map
2 var m1 = make(map[string][]int, 10)
3 m1["北京"] = []int{100, 200, 300}
4 fmt.Println(m1)
```