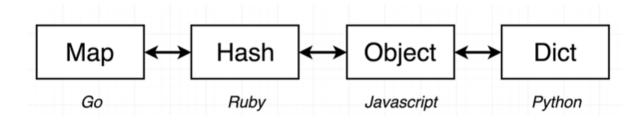
Maps

What is a Map?

• A map is a collection of key-value pairs



colors := map[string]string{

"red": "#ff0000",

"green": "00ff00",
"blue": "0000ff",

- This code declares a map with key value pairs for color names, and hex codes. Both of which are stored as strings
- An empty map can be declared like
 so: var colors map[string]string
- Another way of accomplishing this is:

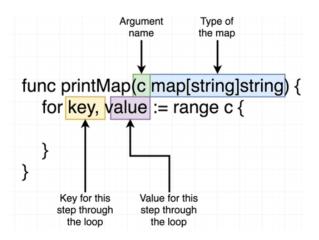
```
colors := make(map[string]string)
```

- Values can be added to a map with this syntax colors["white"] = "#ffffff"
- Values can be deleted with delete(colors, "white")

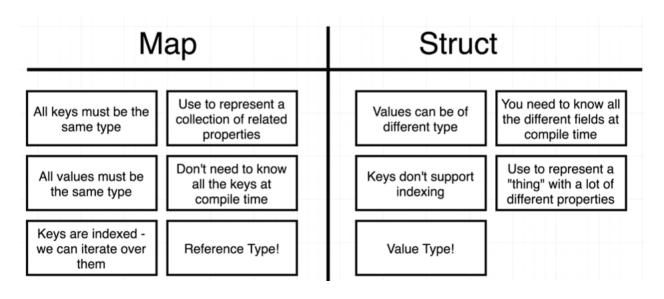
Iterating over Maps

```
func printMap(c map[string]string) {
  for color, hex := range c {
  }
}
```

Maps 1



Maps vs Structs



Maps 2