

Google



```
// You can edit this code!  
// Click here and start typing.  
package main  
  
import "fmt"  
  
func main() {  
    fmt.Println("Hello, 世界")  
}
```

Strengths

- Concurrency
- Reflection
- Garbage Collection

Typing

```
type Student struct {  
    Name string  
    Age int  
    URL string  
}
```

Closures

```
func main(){  
    do(func doThisThing(int letsPassThis){  
        fmt.Printf("%v\n", letsPassThis)  
    })  
}
```

Concurrency

- Goroutines to create parallelism

```
go do(func doThisThing(int letsPassThis){  
    fmt.Printf("%v\n", letsPassThis)  
})
```

- Channels to coordinate Goroutines
 - Chan<-
 - Like a calling program. Know when you finish.

Notes

- JSON package
 - JSON package, `json.Marshal()`
 - `dec = json.NewDecoder()`
 - `dec.Decode(object)`
- XML
 - `xml.MarshalIndent()`

Notes

- Switch is analogous to select