JSON

Hey, Philipp here!

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JSON

This example will show how to encode and decode JSON data using the `encoding/json` package.

```go
// json.go
package main

import (
    "encoding/json"
    "fmt"
    "net/http"
)

type User struct {
    Firstname string `json:"firstname"`
```

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```go
    Lastname   string `json:"lastname"`
    Age        int    `json:"age"`
}

func main() {
    http.HandleFunc("/decode", func(w http.ResponseWriter, r *http.Request) {
        var user User
        json.NewDecoder(r.Body).Decode(&user)

        fmt.Fprintf(w, "%s %s is %d years old!", user.Firstname, user.Lastname, use
    })

    http.HandleFunc("/encode", func(w http.ResponseWriter, r *http.Request) {
        peter := User{
            Firstname: "John",
            Lastname:  "Doe",
            Age:        25,
        }

        json.NewEncoder(w).Encode(peter)
    })

    http.ListenAndServe(":8080", nil)
}
```

```
$ go run json.go

$ curl -s -XPOST -d'{"firstname":"Elon","lastname":"Musk","age":48}' http://localho
Elon Musk is 48 years old!

$ curl -s http://localhost:8080/encode
{"firstname":"John","lastname":"Doe","age":25}
```

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https://gowebexamples.com/json/   2/2