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**1. Buatlah program API sederhana dengan format data JSON. Kode dan output dpat dilihat pada video Activity JSON.mp4 (Poin 50)**

The image shows a Visual Studio Code window with a Go project named "PERTEMUAN 8". The Explorer sidebar on the left displays the project structure, including files like "main.go", "my-view1.html", and "gambar1.jpg". The main editor shows the "main.go" file, which is a web server using the "http" package. It defines a "lepkom" struct with fields "Nama", "Kursus", and "Foto", and a slice "data\_mahasiswa" containing two instances. The "main" function sets up a server on port 8013. The "user" function handles HTTP requests, returning JSON data. The terminal at the bottom shows the command "go run main.go" and the output "Server running on 8013".

```
package main

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

func main() {
    PORT := 8013
    http.Handle("/", http.FileServer(http.Dir("polymer")))
    http.HandleFunc("/api/mahasiswa", user)
    log.Printf("Server running on %d", PORT)
    log.Fatal(http.ListenAndServe(fmt.Sprintf(":%d", PORT), nil))
}

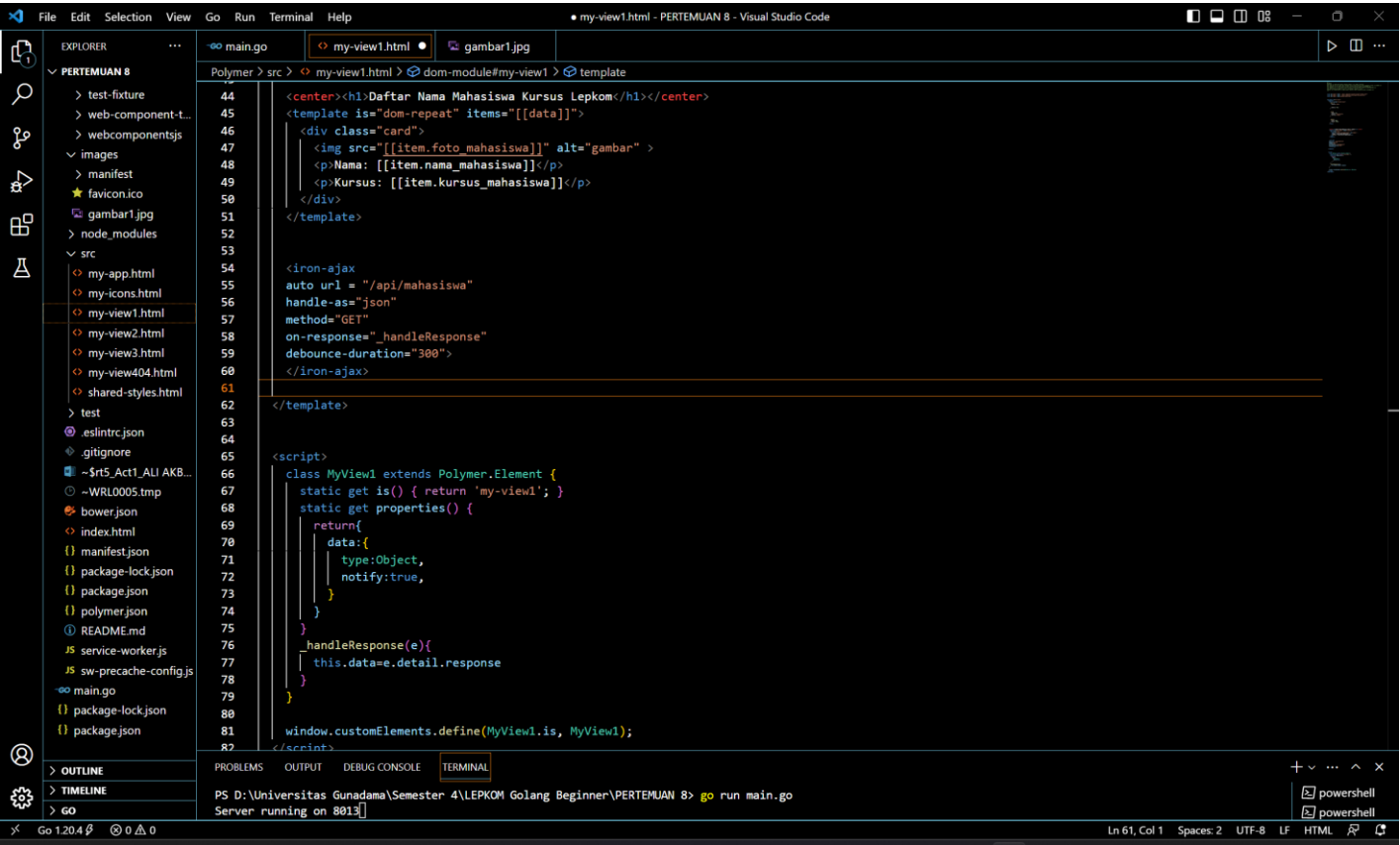
type lepkom struct {
    Nama string `json:"nama_mahasiswa"`
    Kursus string `json:"kursus_mahasiswa"`
    Foto string `json:"foto_mahasiswa"`
}

var data_mahasiswa = []lepkom{
    {
        Nama: "Ali Akbar Said",
        Kursus: "Golang For Beginner",
        Foto: "images/gambar1.jpg",
    },
    {
        Nama: "Park Gan-Jar",
        Kursus: "Golang For Beginner",
        Foto: "images/gambar1.jpg",
    },
}

func user(w http.ResponseWriter, r *http.Request) {
    w.Header().Set("Content-Type", "application/json")
    if r.Method == http.MethodGet {
```

PS D:\Universitas Gunadama\Semester 4\LEPKOM Golang Beginner\PERTEMUAN 8> go run main.go

Server running on 8013



2. Buatlah program untuk menampilkan data pada soal nomor 1 dalam sebuah tampilan HTML. Kode dan output dpat dilihat pada video Activity JSON Web.mp4 (Poin 50)

