

LAPORAN PRAKTIKUM
PEMROGRAMAN BERBASIS WEB
TUGAS 03

Untuk memenuhi Tugas Praktikum Pemrograman Berbasis Web



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JAKARTA SELATAN
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Link Github:

Package

1. Membuat folder untuk dijadikan project, misal progo

\$ mkdir progo

```
MINGW64:/d/RPL/golang_kuliah/progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ mkdir progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
progo/
```

2. Pindah ke folder progo

\$ cd progo

```
MINGW64:/d/RPL/golang_kuliah/progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ mkdir progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
progo/
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ cd progo/
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
```

3. Menjadikan folder progo sebagai module

\$ go mod init progo

```
MINGW64:/d/RPL/golang_kuliah/progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ mkdir progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
progo/
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ cd progo/
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ go mod init progo
go: creating new go.mod: module progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
go.mod
```

4. Membuat folder ratarata

\$ mkdir ratarata

```
MINGW64:/d/RPL/golang_kuliah/progo

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ mkdir progo

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
progo/

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ cd progo/

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ go mod init progo
go: creating new go.mod: module progo

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
go.mod

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ mkdir ratarata

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
go.mod  ratarata/
```

5. Pindah ke folder ratarata

\$ cd ratarata

```
MINGW64:/d/RPL/golang_kuliah/progo

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ mkdir progo

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
progo/

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ cd progo/

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ go mod init progo
go: creating new go.mod: module progo

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
go.mod

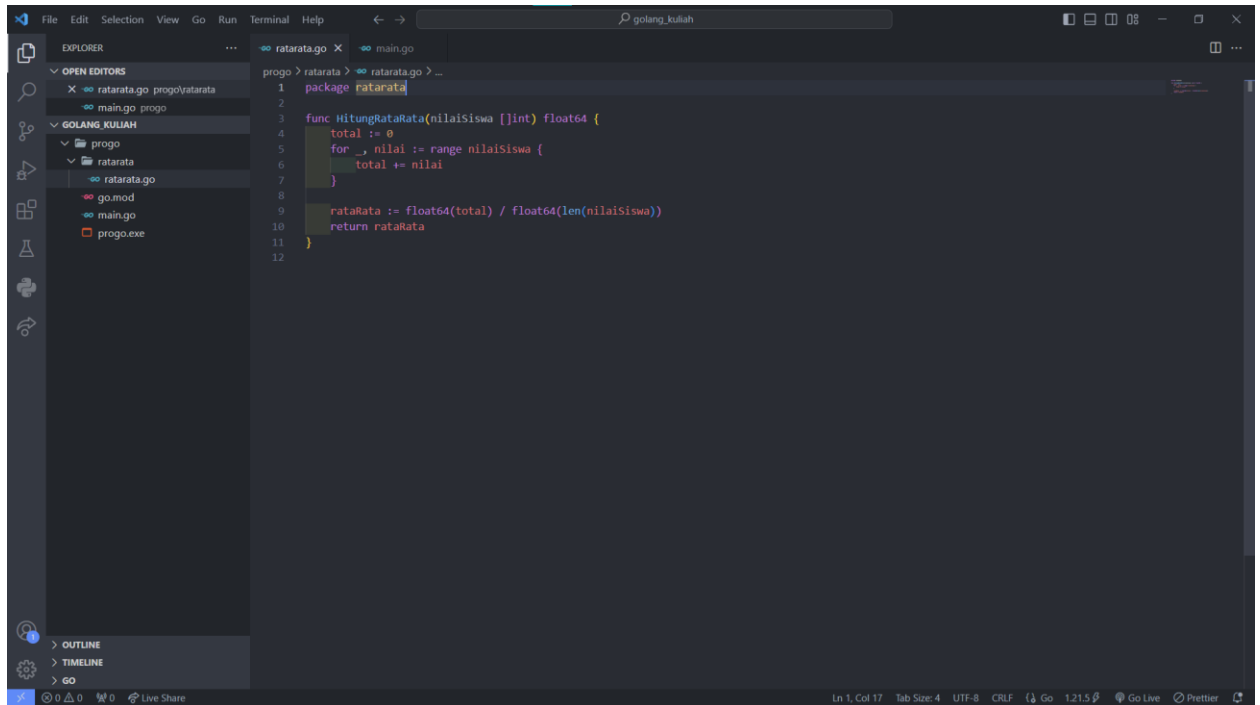
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ mkdir ratarata

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
go.mod  ratarata/

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ cd ratarata/

muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo/ratarata
$ ls
```

6. Membuat file bernama ratarata.go

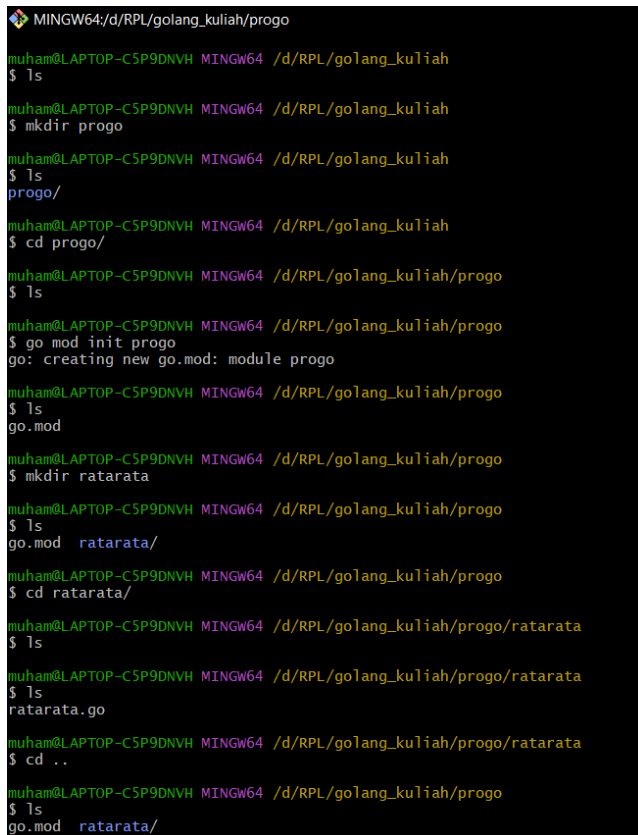


The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project structure with folders 'progo' and 'ratarata'. The 'ratarata' folder is expanded, showing a file named 'ratarata.go'. The main editor window displays the code for 'ratarata.go'.

```
1 package ratarata
2
3 func HitungRataRata(nilaiSiswa []int) float64 {
4     total := 0
5     for _, nilai := range nilaiSiswa {
6         total += nilai
7     }
8
9     rataRata := float64(total) / float64(len(nilaiSiswa))
10    return rataRata
11 }
12
```

7. Pindah ke folder progo

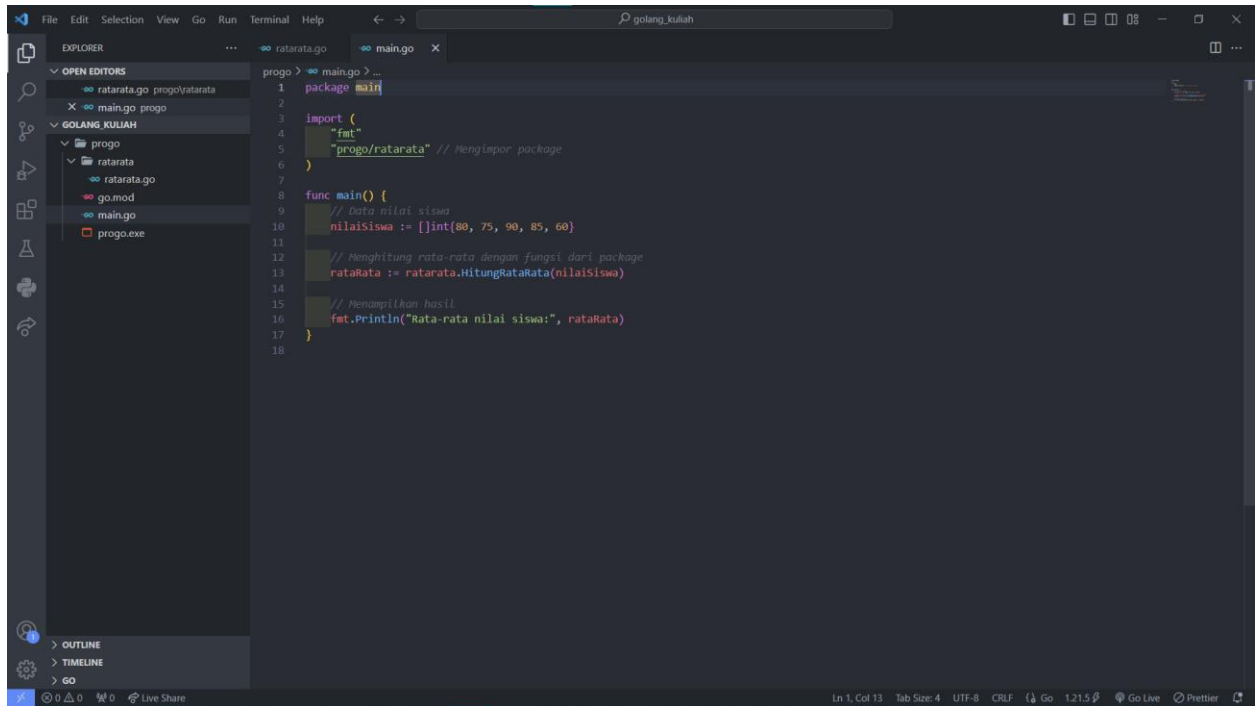
\$ cd ..



The screenshot shows a Windows Command Prompt terminal window. The user is navigating through the directory structure and initializing a Go module.

```
MINGW64:/RPL/golang_kuliah/progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ mkdir progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ ls
progo/
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah
$ cd progo/
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ go mod init progo
go: creating new go.mod: module progo
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
go.mod
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ mkdir ratarata
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
go.mod  ratarata/
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ cd ratarata/
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo/ratarata
$ ls
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo/ratarata
$ ls
ratarata.go
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo/ratarata
$ cd ..
muham@LAPTOP-C5P9DNVH MINGW64 /d/RPL/golang_kuliah/progo
$ ls
go.mod  ratarata/
```

8. Membuat file main.go

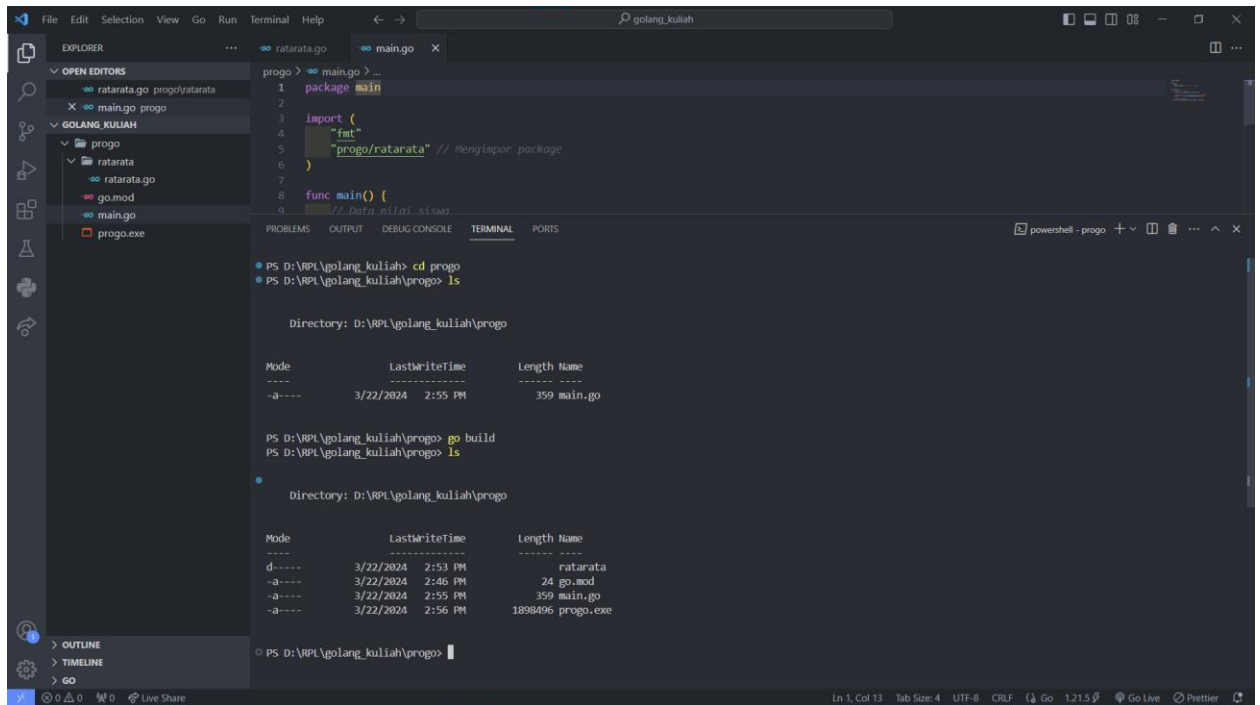


The screenshot shows the Visual Studio Code editor with the Explorer sidebar on the left. The Explorer shows a project structure with a folder named 'progo' containing 'ratarata.go', 'go.mod', 'main.go', and 'progo.exe'. The 'main.go' file is open in the editor, showing the following Go code:

```
1 package main
2
3 import (
4     "fmt"
5     "progo/ratarata" // Mengimpor package
6 )
7
8 func main() {
9     // Data nilai siswa
10    nilaiSiswa := []int{80, 75, 90, 85, 60}
11
12    // Menghitung rata-rata dengan fungsi dari package
13    rataRata := ratarata.HitungRataRata(nilaiSiswa)
14
15    // Menampilkan hasil
16    fmt.Println("Rata-rata nilai siswa:", rataRata)
17 }
18
```

9. Build main.go dan muncul file progo.exe

\$ go build



The screenshot shows the Visual Studio Code editor with the Explorer sidebar on the left. The Explorer shows a project structure with a folder named 'progo' containing 'ratarata.go', 'go.mod', 'main.go', and 'progo.exe'. The 'main.go' file is open in the editor, showing the same Go code as in the previous screenshot. The Terminal panel at the bottom shows the following commands and output:

```
PS D:\RPL\golang_kuliah> cd progo
PS D:\RPL\golang_kuliah\progo> ls

Directory: D:\RPL\golang_kuliah\progo

Mode                LastWriteTime         Length Name
----                -
-a----             3/22/2024   2:55 PM             359 main.go

PS D:\RPL\golang_kuliah\progo> go build
PS D:\RPL\golang_kuliah\progo> ls

Directory: D:\RPL\golang_kuliah\progo

Mode                LastWriteTime         Length Name
----                -
d-----             3/22/2024   2:53 PM             ratarata
-a----             3/22/2024   2:46 PM              24 go.mod
-a----             3/22/2024   2:55 PM             359 main.go
-a----             3/22/2024   2:56 PM          1898496 progo.exe

PS D:\RPL\golang_kuliah\progo>
```