

## TUGAS LEPKOM

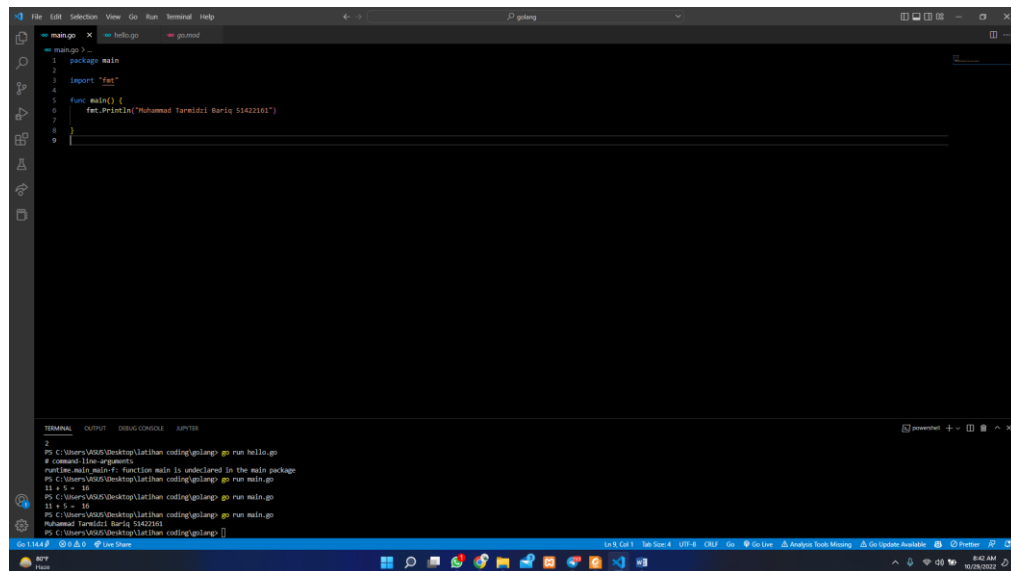
### MINGGU 2

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1.



The image shows a screenshot of a Visual Studio Code (VS Code) editor window. The editor is open to a file named `main.go` in the `main` package. The code in the file is as follows:

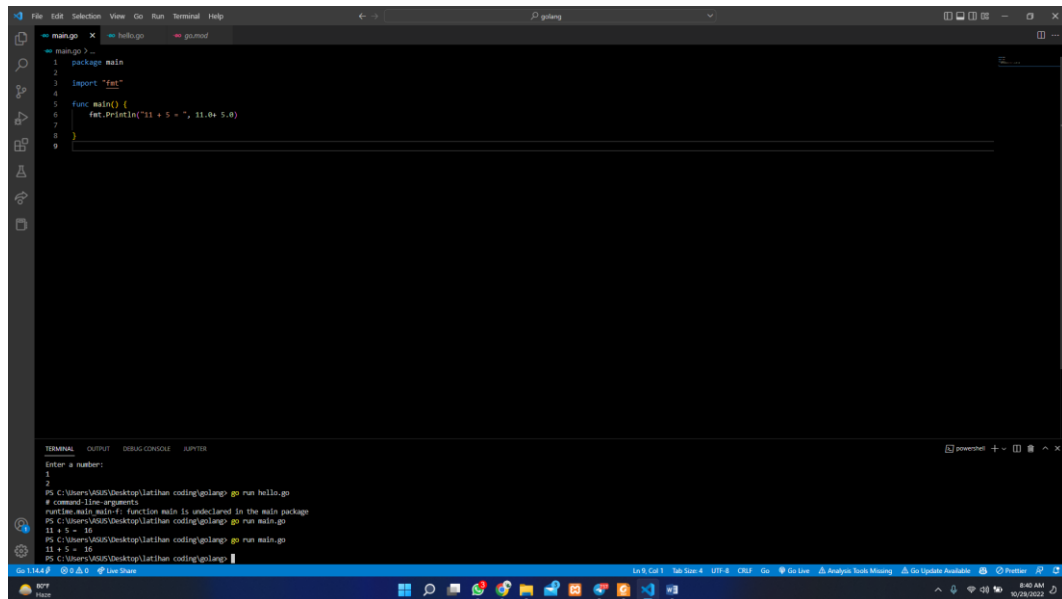
```
1 package main
2
3 import "fmt"
4
5 func main() {
6     fmt.Println("Muhammad Tarmidzi Bariq 51422161")
7 }
8
9
```

Below the editor, the `TERMINAL` panel is open, showing the output of running the program. The terminal output is:

```
2
PS C:\Users\VAIS\Desktop\latihan coding\go\go> run hello.go
# command-line argument
runtime.main.main-f: function main is undeclared in the main package
PS C:\Users\VAIS\Desktop\latihan coding\go\go> run main.go
11 + 5 = 16
PS C:\Users\VAIS\Desktop\latihan coding\go\go> run main.go
11 + 5 = 16
PS C:\Users\VAIS\Desktop\latihan coding\go\go> run main.go
Muhammad Tarmidzi Bariq 51422161
PS C:\Users\VAIS\Desktop\latihan coding\go\go>
```

The terminal output shows that the program was run multiple times. The first two runs resulted in an error: `runtime.main.main-f: function main is undeclared in the main package`. The third run resulted in the output `11 + 5 = 16`. The fourth run resulted in the output `Muhammad Tarmidzi Bariq 51422161`.

2.

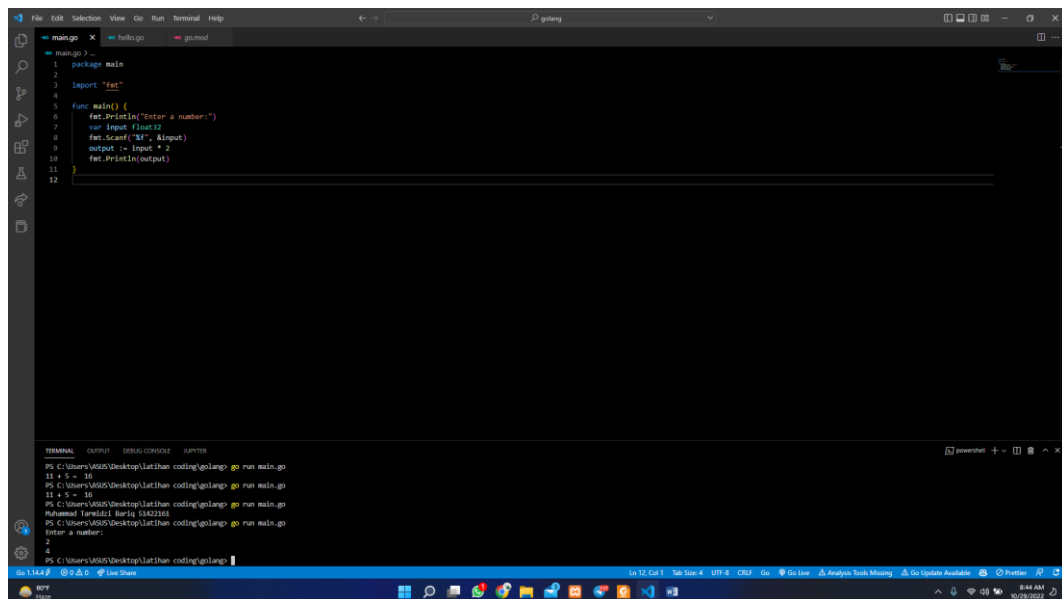


The screenshot shows the VS Code editor with a Go file named `main.go`. The code defines a `main` package and a `main` function that calls `fmt.Println("11 + 5 = ", 11.0+ 5.0)`. The terminal output shows the command `go run hello.go` being executed, followed by the output `11 + 5 = 16`. The terminal also shows the command `go run main.go` being executed, followed by the output `11 + 5 = 16`.

```
1 package main
2
3 import "fmt"
4
5 func main() {
6     fmt.Println("11 + 5 = ", 11.0+ 5.0)
7 }
8
9
```

```
PS C:\Users\ASUS\Desktop\latihan coding\golang> go run hello.go
# command-line arguments
runtime.main.main() function main is undeclared in the main package
PS C:\Users\ASUS\Desktop\latihan coding\golang> go run main.go
11 + 5 = 16
PS C:\Users\ASUS\Desktop\latihan coding\golang>
```

3.

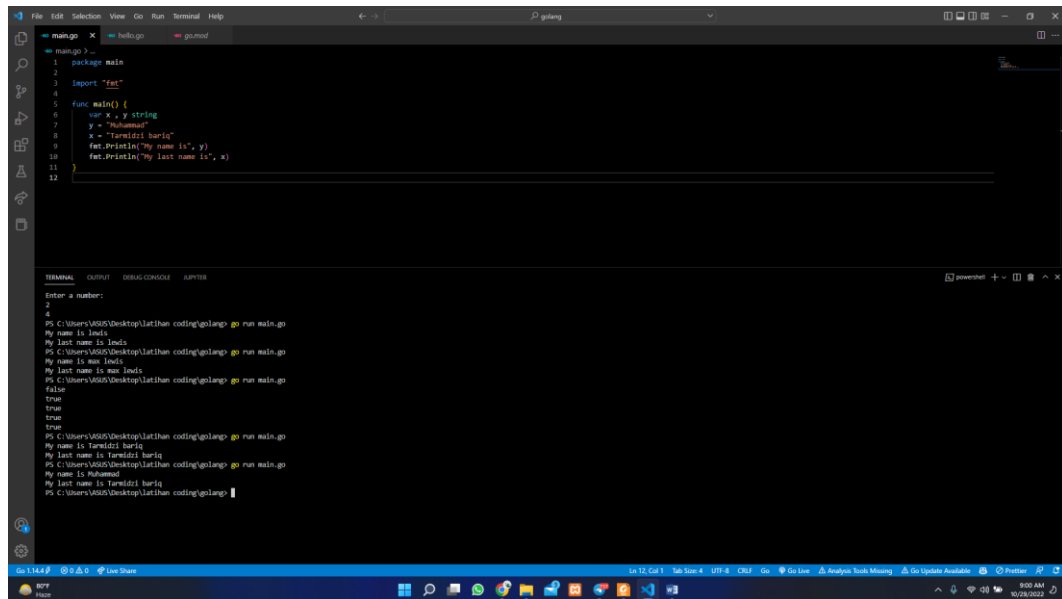


The screenshot shows the VS Code editor with a Go file named `main.go`. The code defines a `main` package and a `main` function that prompts the user to enter a number, reads the input, and prints the result of the calculation `input * 2`. The terminal output shows the command `go run main.go` being executed, followed by the prompt `Enter a number:` and the user input `2`, resulting in the output `4`.

```
1 package main
2
3 import "fmt"
4
5 func main() {
6     fmt.Println("Enter a number:")
7     var input float32
8     fmt.Scan(&input)
9     output := input * 2
10    fmt.Println(output)
11
12 }
```

```
PS C:\Users\ASUS\Desktop\latihan coding\golang> go run main.go
11 + 5 = 16
PS C:\Users\ASUS\Desktop\latihan coding\golang> go run main.go
11 + 5 = 16
PS C:\Users\ASUS\Desktop\latihan coding\golang> go run main.go
Muhammad Faridul Bariq 55422164
PS C:\Users\ASUS\Desktop\latihan coding\golang> go run main.go
Enter a number:
2
4
PS C:\Users\ASUS\Desktop\latihan coding\golang>
```

4.

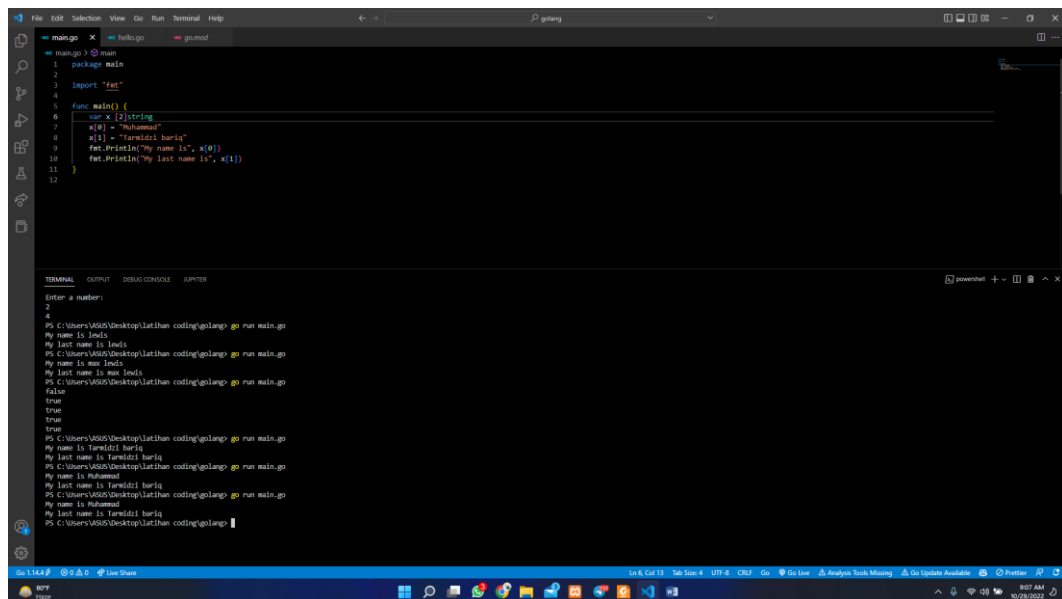


```
File Edit Selection View Go Run Terminal Help
main.go x hello.go gomod
main.go > _
1 package main
2
3 import "fmt"
4
5 func main() {
6     var x, y string
7     y = "Muhammad"
8     x = "Tareedzi bariq"
9     fmt.Println("My name is", y)
10    fmt.Println("My last name is", x)
11 }
12
```

TERMINAL OUTPUT DEBUG CONSOLE JUPYTER

```
Enter a number:
2
4
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is leids
My last name is leids
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is max leids
My last name is max leids
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
false
true
true
true
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is Tareedzi bariq
My last name is Tareedzi bariq
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is Muhammad
My last name is Tareedzi bariq
PS C:\Users\AQAS\Desktop\latihan coding\golang> |
```

5.



```
File Edit Selection View Go Run Terminal Help
main.go x hello.go gomod
main.go > @ main
1 package main
2
3 import "fmt"
4
5 func main() {
6     var x [2]string
7     x[0] = "Muhammad"
8     x[1] = "Tareedzi bariq"
9     fmt.Println("My name is", x[0])
10    fmt.Println("My last name is", x[1])
11 }
12
```

TERMINAL OUTPUT DEBUG CONSOLE JUPYTER

```
Enter a number:
2
4
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is leids
My last name is leids
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is max leids
My last name is max leids
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
false
true
true
true
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is Tareedzi bariq
My last name is Tareedzi bariq
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is Muhammad
My last name is Tareedzi bariq
PS C:\Users\AQAS\Desktop\latihan coding\golang> go run main.go
My name is Muhammad
My last name is Tareedzi bariq
PS C:\Users\AQAS\Desktop\latihan coding\golang> |
```

6.

The screenshot shows a code editor with a Go program and a terminal window. The Go program is as follows:

```

1 package main
2
3 import "fmt"
4
5 func main() {
6     fmt.Println(true && false)
7     fmt.Println(true && true)
8     fmt.Println(true || true)
9     fmt.Println(true || false)
10    fmt.Println(false)
11 }
12

```

The terminal window shows the following output:

```

Enter a number:
2
4
PS C:\Users\MS0\Desktop\latihan coding\golang> go run main.go
My name is Indis
My last name is Indis
PS C:\Users\MS0\Desktop\latihan coding\golang> go run main.go
My name is max Indis
My last name is max Indis
PS C:\Users\MS0\Desktop\latihan coding\golang> go run main.go
false
true
true
true
true
PS C:\Users\MS0\Desktop\latihan coding\golang>

```