Hello, I am Darshan. I attend the Go language two workshop and I really learn lot of here. Even before attending this workshop I don't know about this language. But after attending this workshop I learn this language and my confidence is also build about this language. Thank a lot sir. Here I show some little things That I learnt during the workshop.

My learning start here:-

1. package main
   import (
        "fmt"
)
   func main() {
        fmt.Println("Hello World")
   }

```
Hello World

Program exited.
```

2. package main
   import "fmt"
   var a int
   func main () {
        fmt.Println(a)
   }

```
0

Program exited.
```

3. package main
   import "fmt"
   func main() {
   var i int = 1
   var w float64 = 12.5
   fmt.Println(i, w)
   }

```
1 12.5

Program exited.
```

4.  ```go
    // of := (short declaration
    // operator)
    package main
    import "fmt"
    func main() {
            // declaring and initializing the variable
       a := 30
            // taking a string variable
     Language := "Go Programming"
            fmt.Println("The Value of a is: ", a)
            fmt.Println("The Value of Language is: ", Language)
    }
    ```

```
The Value of a is:   30
The Value of Language is:   Go Programming

Program exited.
```

5.  ```go
    package main
      import (
          "fmt"
      )
      func main() {
      var i, j, k = 1, 2, 3
      var (
         name     = "Sangam Biradar"
         occupation = "Developer Advocate"
      )

      fmt.Println(i, j, k)
      fmt.Printf("%s is a %s\n", name, occupation)
      }
    ```

```
1 2 3
Sangam Biradar is a Developer Advocate

Program exited.
```

6.
```go
package main
import (
    "fmt"
    "reflect"
)
func main() {
var name = "Sangam"
var age = 25
fmt.Println(reflect.TypeOf(name))
fmt.Println(reflect.TypeOf(age))
fmt.Printf("%s is %d years old\n", name, age)
}
```

```
string
int
Sangam is 25 years old

Program exited.
```

7.
```go
package main
import "fmt"
var word string = "Learning"
func main() {
   i := 12
fmt.Println(word)
fmt.Println(i)
test()
}
func test() {
fmt.Println(word)
}
```

```
Learning
12
Learning

Program exited.
```

8.
```go
package main
import (
    "fmt"
    "path"
)
func main() {
    var file string
    _, file = path.Split("css/main.css")
    fmt.Println("file",file)
}
```

```
file main.css

Program exited.
```

9. This the link for q no 9 this is not working in online complier you can use GO Land software

10.
```go
package main
import (
    "fmt"
    "os"
)
func main() {
    fmt.Printf("%#v\n", os.Args)
}
```

```
[]string{"/tmpfs/play"}

Program exited.
```

11.
```go
package main
import "fmt"
func main() {
    var s string
    s = "how are you?"
    s = `how are you?`
    fmt.Println(s)
    s = "<html> \n\t <body> \"hello\"</html>"
    s = `
<html>
<body> "hello" </body>
</html> `
    fmt.Println(s)
    fmt.Println("c:\\my\\dir\\file")
    fmt.Println(`c:\my\dir\file`)
}
```

```
how are you?

<html>
<body> "hello" </body>
</html>
c:\my\dir\file
c:\my\dir\file

Program exited.
```

12.
```go
package main
import "fmt"
func main() {
    name := "sangam"
    fmt.Println(len(name))
}
```

```
6

Program exited.
```

```go
13. package main
    import "fmt"
    func main(){
        const (
                monday = 0
                tuesday = 1
                wednesday = 2
                thursday = 3
                friday = 4
                saturday = 5
                sunday = 6


        )

    fmt.Println(monday,tuesday,wednesday,thursday,friday,saturday,saturday,sunday)
    }
```

```
0 1 2 3 4 5 5 6

Program exited.
```

```go
14. package main
    import "fmt"
    func main(){
        const (
                monday = iota
                tuesday
                wednesday
                thursday
                friday
                saturday
                sunday
        )
    fmt.Println(monday,tuesday,wednesday,thursday,friday,saturday,saturday,sunday)
    }
```

```
0 1 2 3 4 5 5 6

Program exited.
```

15.
```go
package main
import "fmt"
func main(){
    const (
            monday = iota + 1
            tuesday
            wednesday
            thursday
            friday
            saturday
            sunday
    )
    fmt.Println(monday,tuesday,wednesday,thursday,friday,saturday,sunday)
}
```

```
1 2 3 4 5 6 7

Program exited.
```

16.
```go
package main
import "fmt"
func main(){
    const (
            EST = -(5 + iota)

            _
            MST
            PST
    )
    fmt.Println(EST,MST,PST)
    fmt.Println()
}
```

```
-5 -7 -8


Program exited.
```

17.
```go
package main
import (
        "fmt"
        "strconv"
```

```go
)
func main() {

        s := strconv.Itoa(42)
        fmt.Println(s)
}
```

```
42

Program exited.
```

18.
```go
package main
import (
    "fmt"
    "strconv"
)
func main() {
    n, err := strconv.Atoi("42")

    if err == nil {
            fmt.Println("there was no error , n is ", n)
    }
}
```

```
there was no error , n is  42

Program exited.
```

19.
```go
package main
import (
    "fmt"
    "strconv"
)
func main() {

    if n, err := strconv.Atoi("42"); err == nil {
            fmt.Println("there was no error , n is ", n)
    }
}
```

```
there was no error , n is  42

Program exited.
```

https://play.golang.org/p/S5or0bckhoW
20. package main
    import "fmt"
    func main() {
        city := "Chandigarh "

        switch city {

        case "Chandigarh ":
            fmt.Println("india")
        }
    }

```
india

Program exited.
```

21. These are the links for more and different type of code:-
https://play.golang.org/p/R4dJ8eWGr2Z

https://play.golang.org/p/uZNvA67svHV

https://play.golang.org/p/XNstN9cpu7Y

https://play.golang.org/p/YCqwRIcQGuE

https://play.golang.org/p/9KPRRBQpzTN

https://play.golang.org/p/RCSlcLEMJKN

https://play.golang.org/p/8y_2hn7qHZo

https://play.golang.org/p/wEgzCAaFwLa

https://play.golang.org/p/tjxInWUXQNr

https://play.golang.org/p/JNlkkelUyjF

https://play.golang.org/p/6GTdDy_HOS-

https://play.golang.org/p/Z8DBWThnoL5

https://play.golang.org/p/2KQ0wAlNR4r

https://play.golang.org/p/a4txb1c_YqA

https://play.golang.org/p/vKl4D50Xehn

https://play.golang.org/p/BKmohQ_XaZy

https://play.golang.org/p/sfXTQqODzsA

https://play.golang.org/p/sfXTQqODzsA

https://play.golang.org/p/9rosHZU_en5

https://play.golang.org/p/OAOT3FnPOh9

https://play.golang.org/p/GoXkiKDMU69

https://play.golang.org/p/3VhUdkZ-ebg

https://play.golang.org/p/4PBtnw1yRNp

https://play.golang.org/p/MZHyt-yMAkt

https://play.golang.org/p/1qGStp971Rs