**Go logging**

What to log

Spot bugs in application

Discover performance problems

Do the postmortem analysys of outage and security incidents

Some time you needed to log

Time stamp

Log level such as debug, error or info

Contextual data to understand what happen to make it possible to easily reproduce data.

What not to log

Names

IP Adress

Credit card numbers

As per GDPR and HIPPA logging data

**Introducing the log package**

package main

import “log”

func main(){

log.Println(“Hello World”)

}

2019/12/09 17:21:53 Hello World

**Logging to a file**

The below file will create the log file with the name of text.

package main

import (

    "log"

    "os"

)

func main() {

    file, err := os.OpenFile("logs.txt", os.O\_APPEND|os.O\_CREATE|os.O\_WRONLY, 0666)

    if err != nil {

        log.Fatal(err)

    }

    log.SetOutput(file)

    log.Println("Hello World")

}

