

Package utils

```
import "GoInAction2/utils"
```

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Overview ▼

Package utils implements some utility functions to be used for the application.

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```
func CheckForValidDate(apptMonth int, apptDate int) bool
func ClearScreen()
func ConvertIntToMonth(month int) (string, error)
func ConvertMonthToInt(month string) (int, error)
func ConvertToUpper(input string) string
func ErrorLogging(message string, err error)
func IsLeap(year int) bool
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func Waiting()
func WarnLogging(message string, warning error)
```

Package files

utils.go

func CheckForValidDate

```
func CheckForValidDate(apptMonth int, apptDate int) bool
```

CheckForValidDate checks if a given month and day is a valid date. This function also take into consideration of leap year. It will take in month and day as integer inputs and return true if it is a valid date, else false.

func ClearScreen

```
func ClearScreen()
```

ClearScreen is a function to clear screen.

func ConvertIntToMonth

```
func ConvertIntToMonth(month int) (string, error)
```

ConvertIntToMonth converts the integer month input to a string. It takes in integer input and return a string output. If the month is out of range, it will return an error.

func ConvertMonthToInt

```
func ConvertMonthToInt(month string) (int, error)
```

ConvertMonthToInt converts the month input string to an integer value. It takes in string input and return integer output. If the month is out of range, it will return an error.

func ConvertToUpper

```
func ConvertToUpper(input string) string
```

ConvertToUpper converts a string input to only the first letter is a caps while all the remaining letter will be small caps. It will take in a string input and return a string output.

func ErrorLogging

```
func ErrorLogging(message string, err error)
```

ErrorLogging traces critical problem and write to a "error.txt" file. These errors/panics will stop the application immediately.

func IsLeap

```
func IsLeap(year int) bool
```

IsLeap check if a particular year is a leap year. It will take in a year as integer and then return a true if it is a leap year, false if it is not a leap year.

func PrintMessage

```
func PrintMessage(messageList []string)
```

PrintMessage will print the message to the console. It will take in a slice of messages and output them line by line to the console.

func SendingEmail

```
func SendingEmail(wg *sync.WaitGroup)
```

SendingEmail will print a message on console that the appointment details is sent to the user's email.

func TraceLogging

```
func TraceLogging(message string)
```

TraceLogging traces all activities and write to "trace.txt" file.

func Waiting

```
func Waiting()
```

Waiting will delay the next code execution for 3 seconds.

func WarnLogging

```
func WarnLogging(message string, warning error)
```

WarningLogging stores activities that include error or panic during the application and write to "warn.txt" file. However, these errors/panics are not severe to stop the application.

Build version go1.17.7.

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