

# Setup Go Environment

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# Download and Install

## Install Go Binaries

- <https://golang.org/doc/install>

```
tar -C /usr/local -xzf go$VERSION.$OS-$ARCH.tar.gz  
export PATH=$PATH:/usr/local/go/bin
```

## Install IDE

- <https://code.visualstudio.com/>



# Hello World

- `go mod init helloworld`
- `main.go`

```
package main
```

```
import "fmt"
```

```
func main() {  
    fmt.Println("Hello World")  
}
```



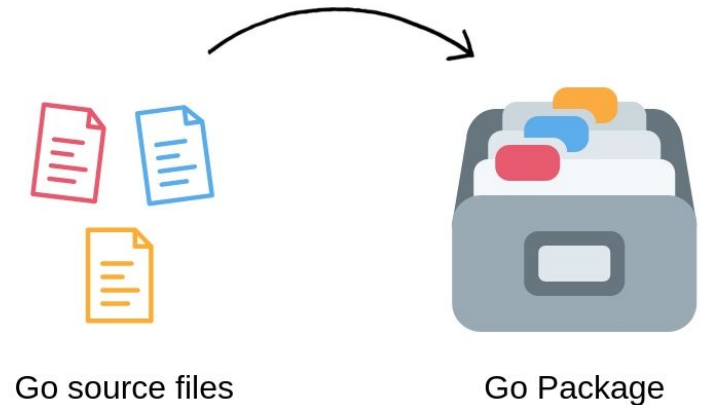
# Go Principles

- Encourage good software engineering practices
- DRY: Don't Repeat Yourself
  - Functions
  - Packages



# Code Organization

- Packages



```
go get -u github.com/gin-gonic/gin
```

```
package <packagename>
```

