Normal Installation

Download Go

- Go to http://golang.org/doc/install.html and download the Go distribution for your desired package
- Follow the directions listed on that page for the system you are using

Test Installation

- Save the following code as "hello-world.go"
- Run the code at the command line by using "go run hello-world.go"

```
package main

import "fmt"

func main() {

    fmt.Printf("hello, world\n")

}
```

Eclipse Plugin Installation

Purpose:

This provides the instructions for installing the Go Eclipse plugin that makes developing go code much easier. If you prefer to just use a different text editor, you can ignore the following steps.

Requirements:

- Eclipse 4.3 (Kepler) or later (http://www.eclipse.org/).
- A **1.7** Java VM or later (http://www.java.com/). Otherwise GoClipse will silently fail to start.

Instructions:

1. Use your existing Eclipse, or download a new Eclipse package from http://www.eclipse.org/downloads/.
   - For an Eclipse package without any other IDEs or extras (such a VCS tools), download the "Platform Runtime Binary".
2. Start Eclipse, go to `Help -> Install New Software...`
3. Click the `Add...` button, then enter the Update Site URL: **http://goclipse.github.io/releases/** in the Location field, click OK.
4. Select the recently added update site in the `Work with:` dropdown. Type `GoClipse` in the filter box. Now the Goclipse feature should appear below.
5. Select the `GoClipse` feature, and complete the wizard.
   - Dependencies such as CDT will automatically be added during installation.
6. Restart Eclipse. After that take a look at the configuration section in the User Guide.

Hello World

Requirements:

- Complete the previous install steps.

Instructions:

1. Make sure the Go perspective is selected and go to `File -> New -> Go Project`
2. Name the project whatever you would like and right click on the src package, create new folder called `main` and within that folder right click and select `New -> Go File` and call it `main.go`
3. Copy and paste the following code into `main.go`

```go
package main
import (
        "fmt"
)

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

4. Right click on `main.go` and select `Run As… -> Go Application`