Using git for Distribution

This lesson discusses the Go's flexibility to share code with whole programming community.

WE'LL COVER THE FOLLOWING

What we discussed previously is fine for a local package, but how do we distribute it to the programmer community? We need a source version-control system in the cloud, like the popular **git**. To install and set up git, consult here.

Instructions

We will lead you through creating a *git-repository* for the package `uc`. Go to the package directory `uc` and create a git repository in it:

```
git init
```

This message appears:

```
Initialized empty git repository in .../uc
```

Every git project needs a **README** file with a description of the package. So open your favorite text editor and put some comments there. Then add all the files to the repository with:

```
git add README uc.go uc_test.go
```

and mark it as the first version:

```
git commit -m "initial revision"
```

Now go to the GitHub-website where you must log in. If you don't have a login

yet, click here where you can create a free account for open source projects. Choose a username and password, give a valid email-address and *Create an Account*. Then you will get a list with the git commands. We have already seen the commands for the local repository. An excellent help system will guide you if you encounter any problems. For creating a new repository **uc** in the cloud, issue the instructions (substitute NNNN with your username):

```
git remote add origin git@github.com:NNNN/uc.git
git push -u origin master
```

You're done. Go check the GitHub page of your package: https://github.com/NNNN/uc If one wants to install your cloud-project to their local machine, they have to execute the command:

```
go get github.com/NNNN/uc
```

Now that you're familiar with how to use *git* for distributing your packages, in the next lesson, you'll learn how to import packages from the external environment.