How To Java Tutorials

Lesson 3 Using GitHub Code

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What Is Git
Code Together

Git is a distributed version control and File Management System, Provide Amazing services And useful features for all of developers.

To know how Git can help you I will list some of my And your common problems with code

1- When you make a change in your code and want To revert back to specific version of your code.
2 -Want to See the difference of Two versions.
3- Want to mange more than one version of your code
4- Want to test if a particular version is broken or Fixed.
5-Want to experiment without interfering of existing Code.
6-Want to Work together in a team in the same code Or even the same file from home.
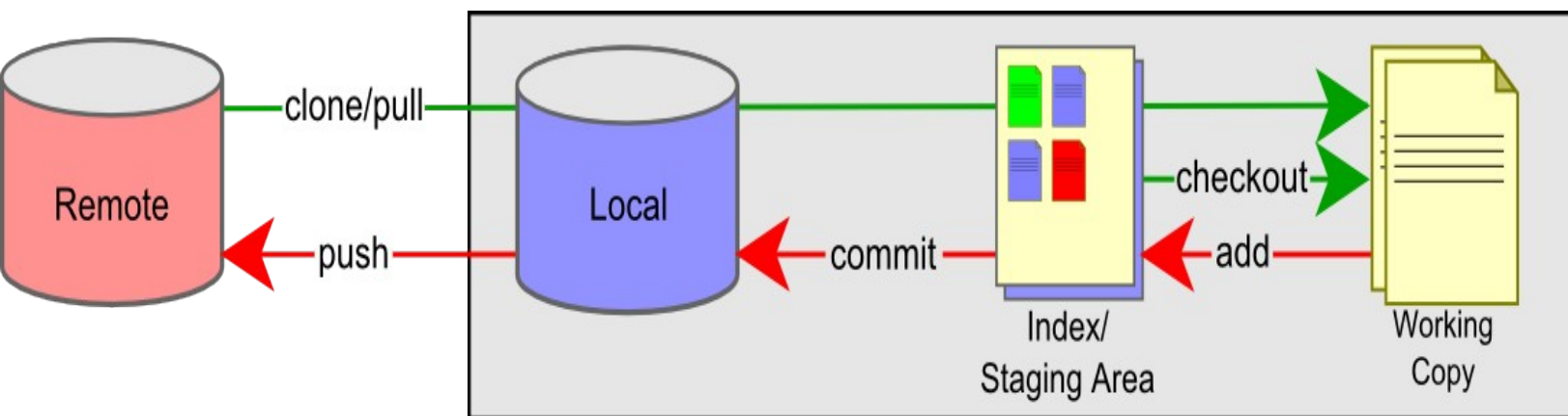
How Git Work?

Git Work By tracking all changes in your code or files
So all the edits are tracked and indexed, So when you want
To go back to specific version you can do it in easy way

Git use a shell window where you can type git
commends on if for local or remote version.
You can work with git off line and use all the Features
For your local repository.
Or if your have access to a Git server you can Commit
Your changes for the remote repo. that can Be Accessible
by your team to see your changes.

Git Work Flow

What is GitHub

GitHub is one of the most popular Git services Providers.
Where you can use all the features of git on it In local and remote repo.

Gihub is free to sign up But all your code Is public any one can see and download it If you want to make your repos private you Will start with github plans micro or more

You can get-start with github with the Beginner guide tutorial. It is vary useful to Start up with

Now let us go to learn how to install and Use github on our machine

Install GitHub

GitHub is available for all OS windows,Linux and Mac You will find Github client for your OS on Github.com

Instructions

1- Sign up in Github.
2- Download your Github client.
3- configure your client with your accou
4- Create local test repo.
5— Make some changes.
6- Create remote repo.
7- Commit changes from local to remote.
8- Make changes in the remote repo.
9- Get the changes from remote to local
10-Clone another repo.

Install GitHub on Linux

To install Github on Liunx you will need to run These Commodes from terminal.

```
sudo apt-get install git
```

Then We will configure Our Client with our Github account

```
git config --global user.name "user_name"
```

```
git config --global user.email "email_id"
```

Create local test repo

```
git init testrepo
```

Create some Changes

Create a read me file and put it in the repo folder

Add files and changes to the index

```
git add README
or
git add .
```

Commit changed to local repo

```
git commit -m "some_message"
```

Create a remote test repo

Go to Github and create a repository called testrepo

Push changes from local to remote repo

```
git remote add origin remote repo url
git push origin master

Enter the login credentials [user_name and password]
```

Check the remote repo for updates

Go to Github and check the testrepo

Make remote changes on the repo

Go to Github, add some text on the readme file

Submit Changes from remote to local

```
git pull repo name
```

Clone a remote repo for updates

Go to Github and copy the repo url then

```
git clone repo url
```

How to use our Code

All The Code from all lessons will be in our How to Java tutorials repo in our Github Account Z-Team-Pro.Z-Team-Pro
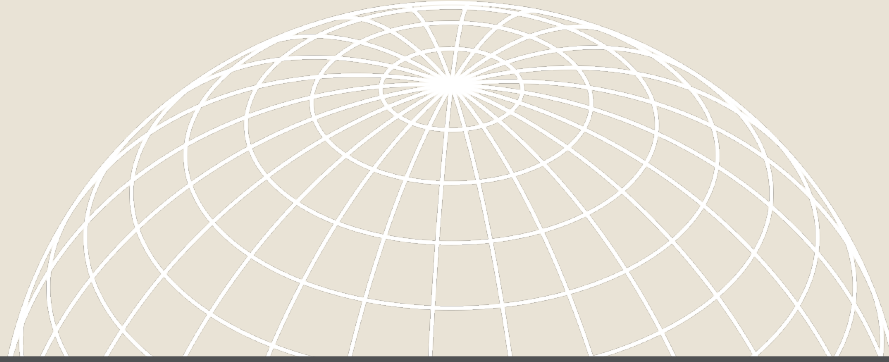
You are free to get this code and use it Now.. How To use it

After install and test your github test you can Clone our repo for code

I recommend you to clone the repo not Download it to keep track with all updates in The lessons and new code.

Go to Z-Team-Pro Github account and Navigate to How to Java tutorials repo

Copy the url and clone the repo on your pc

Sudo git Clone repo url

Thank You For Watching

I am still not Better, But I always try .

See You Next