

## Git demo:

### 0- After Git set up

Execute:

```
git config --global user.name "Your Name"  
git config --global user.email "your_email@whatever.com"
```

### 1- Create the following java file

File: Hello.java

```
public class Hello  
{  
    public static void main( String argv[] )  
    {  
        System.out.println( "Hello, World" );  
    }  
}
```

### 2- Save the file in d:\demoSCD\_studentID

### 3- Create the Repository (use windows command line cmd)

```
git init
```

### 4- Check the status of the repository

```
git status
```

### 5- Add the program to the repository

```
git add Hello.java
```

## 6- Check the status of the repository

```
git status
```

## 7- Commit the changes to the repository

```
git commit -m "First Commit"
```

- 8-** Change the “Hello, World” program to have a default value if a command line argument is not supplied.

### File: Hello.java

```
public class Hello
{
    public static void main( String argv[] )
    {
        String name = "World";
        if ( argv.length != 0 )
        {
            name = argv[0];
        }

        System.out.println( "Hello, " + name + "!" );
    }
}
```

## 9-Add this Change

```
git add Hello.java
```

## 10- Commit the changes to the repository

```
git commit -m "Added a default value"
git status
```

## 11- Add a Remote

```
git remote add origin https://www.github.com/YOURACCOUNT/Lab5.git
```

## 12- Ensure that origin has been added to your remotes by executing the following.

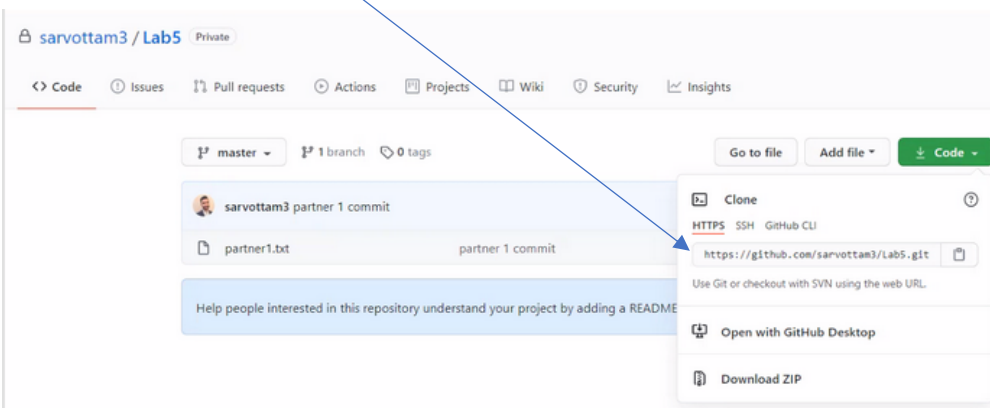
```
git remote -v
```

## 13- get our changes onto the GitHub

```
git push origin master
```

## 14- Clone a Repository (at your home)

- **Copy the link from github (similar to the image below)**



Execute:

```
mkdir ~/lab5_gitlab  
cd ~/lab5_gitlab  
git clone THE_LINK_YOU_JUST_COPIED
```

- **then execute**