Simple Gitsheet

WBS CODING SCHOOL

Using Git for the first time on your computer:

This you need to do only when you change computer or GitHub account

- ***Install Git***

  GitHub for Windows https://windows.github.com

  GitHub for Mac https://mac.github.com

  For Linux and Solaris platforms, the latest release is available on the official Git website.

  Git for All Platforms http://git-scm.com

- ***Configure user details***

  (Open Command prompt)

  Set a name

  ```
  git config --global user.name "[usernameFromGithub]"
  ```

  Set an email

  ```
  git config --global user.email "[emailFromGithub]"
  ```

Transmitting files from a local folder to GitHub for the first time:

This you need to do only once for every new repository/folder

- ***Create a new repository on GitHub***

- ***Initialize local folder as Git repository***

  -in the terminal move to the appropriate folder

  ```
  cd Desktop\Projects\SQL
  ```

  -initialize Git repository

  ```
  git init
  ```

- ***Add changes you want to push to GitHub to the staging area***

  ```
  git add  .
  ```

  git add .   adds all files inside folder
  git add Untitled.ipynb   adds only Untitled.ipynb

- ***Commit changes*** (commit is like a snapshot of your entire directory at a certain time)

  ```
  git commit -m "first commit"
  ```

- ***Rename the main branch***

  ```
  git branch -M main
  ```

- ***Adding GitHub repository URL as an alias***

  ```
  git remote add origin "https://urlFromGitHub.com"
  ```

- ***Push the commits to the remote repository***

  ```
  git push -u origin main
  ```

Pushing changes from the already Initialized folder to the existing remote repository:

This you need to do for every change you want to transmit to GitHub (except the first commit we covered in the last section)

- ***Add changes you want to push to GitHub to the staging area***

  ```
  git add  .
  ```

  git add .   adds all files inside folder
  git add Untitled.ipynb adds only Untitled.ipynb

- ***Commit changes*** (commit is like a snapshot of your entire directory at a certain time)

  ```
  git commit -m "write anything you think is appropriate"
  ```

- ***Push the commits to the remote repository***

  ```
  git push
  ```