

**Title:** Git Version Controller

**Aims:**

- Understand the use of git.
- Download and use git on local machine.

**Task:**

1. Download git
2. Install it on computer
3. Try git commands

**Overview:**

Why git?

- Store revisions in a project history in just one directory.
- Rewind to any revision in the project we wanted to
- Work on new features without messing up the main codebase
- Easily collaborate with other programmers

**Activities:**

1. Download & install git using following link: <https://www.git-scm.com/downloads>
2. Once the installation completed check whether you can access the Git Bash & Git Gui.
3. Do the environmental setup for Git.
  - Git supports a command called **git config** that lets you get and set configuration variables
  - Set **user.name** and **user.email** are the necessary configuration options as your name and email will show up in your commit messages.
  - Set username as follows:  
i.e: `$ git config --global user.name "Fathima K"`
  - Set mail id as follows:  
i.e: `$ git config --global user.email "fathimak2020@gmail.com"`
  - Set a text editor  
i.e: `$ git config --global core.editor Vim`  
here the Vim text editor is used. Instead of this you can install any other text editor and name it here

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- Check the setting using the following command  
`$ git config -list`
  - Start the Git Gui using the command: `$ git gui`
4. Follow the Git Cheat Sheet & try to handy with the Git Commands.

References:

- <https://www.javatpoint.com/git>
- <https://youtu.be/3RjQznt-8kE> - YouTube tutorial series