Introduction

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2) Installing git

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1)Git and github

Git is a distributed version control system. Which means that git:

- Records changes to our files over time.

- Allows many people to collaborate on their projects.

- Store revisions in a project history in just one directory.

- Rewind to any revision in the project I want to.

- Work on new features without messing up the main code base.

- Easily cooperate with other programmers.

GitHub is an online service that hosts our projects.

- Share our code with other developers.

- Developers can download the projects and work on them.

- They can re-upload their edits and merge them with the code base.

2)Installing git:

1. Download Git for Windows from (https://git-scm.com/download/win).

2. Run the installer and follow the prompts with default settings.

2)Installing git:

Linux:

Ubuntu/Debian-based systems:

      sudo apt update
      sudo apt install git

Red Hat/Fedora-based systems:

      sudo dnf install git

2)Installing git:

macOS:

1. Install Homebrew (if not installed):

/bin/ -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"

2. Install Git using Homebrew:

brew install git

2)Installing git:

- After these steps, Git should be installed on your system. You can verify the installation by running: **git --version**

- That's it! Now you have Git installed on your computer, and you can start using it for version control.

- You can also use cmder witch has git installed on it and other interesting functionalities.

3)Git configuration:

- <u>Check Git Version:</u> **git --version**

- <u>Configure Global Name and Email:</u>
 git config --global user.name "Your Name"
 git config --global user.email "your.email@example.com"

- <u>Verify Configurations:</u> **git config user.name**
                              git config user.email