# Couragelearnableassignment

<!DOCTYPE html>

<html>

  <head>

    <title>Assignment</title>

    <body>

    <div>

    <article>

    <h1>  what is version control</h1>

      <p>Version control is defined as a system that tracks the progress of code across the software development lifecycle and its multiple iterations – which maintains a record of every change complete with authorship, timestamp, and other details – and also aids in managing change</p>

      </article></div>

<div>

   <h1> what is the difference between git and github</h1>

   <p>Git is a version control system that allows developers to track changes in their code. GitHub is a web-based hosting service for git repositories.</p>

   <hi> list other alternatives to github</h1>

    <ul>

     <li> Git lab<li>

     <li>launch pad<li>

     <li>Bitbucket<li>

     </ul>

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<article>

  <h1> what is the differnce between git fetch and git pull</h1>

  <p>The key difference between git fetch and pull is that git pull copies changes from a remote repository directly into your working directory, while git fetch does not. The git fetch command only copies changes into your local Git repo. The git pull command does both<p>

  <hi>Explain in simple terms git rebase and the command for it</h1>

  <p>Rebase is one of two Git utilities intended for merging changes from one branch into another. Essentially, it involves taking one branch and appending it to the end of another branch, with the “end” being represented by the latest commit in the branch.In this command, "base" refers to the branch or commit to rebase the current branch onto. This command takes the changes from the current branch and applies them on top of the specified base branch or commit.<p>

<h1>Explain in simple terms git cherry-pick and the command for it </h1>

<p>git cherry-pick in git means choosing a commit from one branch and applying it to another branch. This is in contrast with other ways such as merge and rebases which normally apply many commits into another branch.

git cherry-pick is just like rebasing, an advanced concept and also a powerful command. It is mainly used if you don’t want to merge the whole branch and you want some of the commits.</p> </article></div>

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