Ramya Vemuru

(1) Make a repository on GitHub with the name "InnovationPython_yourname" eg: "InnovationPython_Ankush". Practice on following commands:

Git Clone:

Git Diff:

Git Add, Git Status:

Git Commit:

Git Log:

```
[InnovationPython_Ramya $git log
commit 316c77487983228e2110cdea0e28b2d5fe7bf2d4 (HEAD -> main)
Author: Varun Thalluru <vthalluru2@apple.com>
Date: Sat Oct 31 21:13:43 2020 -0500

Modified git readme file

commit 460e072fe324c4c6af818f7f33e0317feadf8ce3 (origin/main, origin/HEAD)
Author: ramya-creator <73764994+ramya-creator@users.noreply.github.com>
Date: Sat Oct 31 20:38:50 2020 -0500

Initial commit
```

Git Branch:

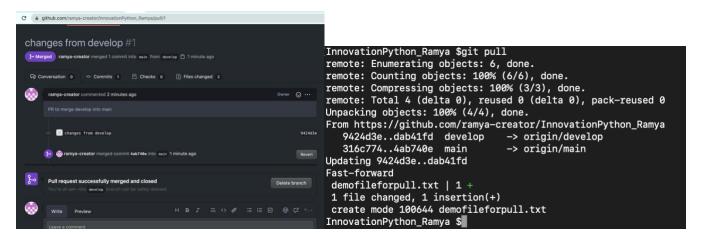
```
[InnovationPython_Ramya $git branch
 * main
 InnovationPython_Ramya $
```

Git Push:

Git Checkout:

```
■ InnovationPythor
[InnovationPython_Ramya $git branch
  * main
[InnovationPython_Ramya $git checkout -b develop
  Switched to a new branch 'develop'
[InnovationPython_Ramya $git branch
  * develop
    main
```

Git Pull:



(2) Read about difference between Git and Github.

Git is a revision control system, a tool to manage your source code history. **GitHub** is a hosting service for Git repositories.

(3) Read about Git Workflow.

Git Workflow is a recipe or recommendation for how to use Git to accomplish work in a consistent and productive manner. Git workflows encourage users to leverage Git effectively and consistently. Git can be used effectively and consistently by the developers because of the Git Workflows.

- (4) How many types of version control systems are there?
 - -Local version control system
 - -Centralized version control system
 - -Distributed version control system
- (5) Explain Branching concept in Git.

A branch in Git is simply a lightweight movable pointer to one of these commits. The default branch name in Git is master. As you start making commits, you're given a master branch that points to the last commit you made.

(6) Explain Forking Workflow in Git.

The Forking Workflow is fundamentally different than other popular Git workflows. Instead of using a single server-side repository to act as the "central" codebase, it gives every developer their own server-side repository. This means that each contributor has not one, but two Git repositories: a private local one and a public server-side one. The Forking Workflow is most often seen in public open source projects.