GitHub Basics

Beginner level

1. What is GitHub?
   Ans:GitHub is a website and cloud-based service that helps developers store and manage their code,
   as well as track and control changes to their code
   GitHub lets you (and others) work together on projects.
2. What are the advantages of GitHub?
   Ans:-Push your projects to GitHub and let the world know how nice and useful code you write.
   -Maintain useful lists.
   -You should use github to manage your projects easily.
   You can backup of your code. You can also go to previous commit easily if you done something wrong in any commit.
   -On github you can access millions of projects source code.
   You can download their source code by clone or fork.
   You can contribute to any project you want.
   You can make your repository private or public whatever you want.
   -Documentation
   -Showcase your work
   -GitHub is a repository.
   -Integration options
3. What is commit, push, pull?

   Commit - As name says your going to accept the changes with suitable name

   Push - uploading your changes/commit statement to could

   Pull - Downloading changes

4. What is pull request?

   Pull requests let you tell others about changes you've pushed to a branch in a repository on GitHub
5. How to create repository?
   1. In the upper-right corner of any page, click , and then click New **repository**.
   2. In the Owner drop-down, select the account you wish to **create** the **repository** on.
   3. Type a name for your **repository**, and an optional description.
   4. Choose to make the **repository** either public or private
   5. You can create a README, which is a document describing your project. For more information, see "About READMEs."
   6. You can create a *.gitignore* file, which is a set of ignore rules. For more information, see "Ignoring files.
   7. When you're finished, click **Create repository**.

6. How to add collaborators?
    1. Ask for the username of the person you're inviting as a **collaborator**.
    2. Under your repository name, click Settings.
    3. In the left sidebar, click **Collaborators**.
    4. Under "**Collaborators**", start typing the **collaborator's** username.
    5. Select the **collaborator's** username from the drop-down menu.
    6. Click **Add collaborator**.

7. How to merge master to your branch? (Attach screenshots).
    1. Step 1: Open **branch** on **GitHub**. Open **the** Organization repository on **GitHub** and switch to **the branch** that you want to **merge** into **master**.
    2. Step 2: Create pull request. Click New Pull Request to create **a** pull request. ...
    3. Step 3: **Merge** pull request

8. How to merge your branch into master? (Attach screenshots).

    -Same as question 7 with opposite procedure.

9. How to create pull request? (Attach screenshots).

    -select pull request in gituhub

    -select source and destination branch

    -give proper reason

    -click on create pull request

10. How to create branch? (Attach screenshots).

    -click on current branch

    -click on new branch

    -give proper name

    -click on create branch

    -click on publish

11. How to delete branch? (Attach screenshots).

    -select current branch

    -click on branch option

    -click on delete

12. How to delete repository? (Attach screenshots).

    -select repository in browser

    -click on settings

    -click on delete repository (scroll down to last option)

    -type the name of repository

    -click on delete

Intermediate level

12. What is fork?

13. How to create fork? (Attach screenshots).

14. How to merge changes from fork to master project? (Attach screenshots).

15. How to Undo commit changes? (Attach screenshots).

16. What is revert?

17. How to revert changes? (Attach screenshots).

Advanced level

18. What is LFS?

19. How to install LFS and add LFS file into it? (Attach screenshots).

20. How to push LFS commits? (Attach screenshots).