MCQ

What command is used to initialize a Git repository locally?

a) git clone

b) git init

c) git commit

d) git push

How can you check the status of your changes in a Git repository?

a) git status

b) git check

c) git diff

d) git log

What command is used to stage files for a commit in Git?

a) git add

b) git stage

c) git commit

d) git push

What is the purpose of forking a repository on GitHub?

a) To create a new branch in the original repository

b) To merge changes from one repository to another

c) To copy a repository under your GitHub account

d) To revert changes in a repository

What is a Pull Request used for in GitHub?

a) Requesting changes to be pulled into a repository

b) Submitting changes for approval and merging

c) Deleting branches in a repository

d) Checking the status of commits in a repository

What does a 'Merge Conflict' indicate in a GitHub pull request?

a) Successful merging of changes

b) Inconsistencies between branches that need to be resolved

c) Rejection of a pull request

d) Approval of changes for merging

Which command is used to create a new branch in Git?

a) git branch

b) git commit

c) git checkout

d) git merge

What command is used to view the commit history in Git?

a) git log

b) git history

c) git show

d) git status

How can you undo the last commit in Git?

a) git amend

b) git reset

c) git revert

d) git undo

What is a repository in GitHub?

a) A folder on your local machine

b) A collection of project files and revision history

c) A social media platform for developers

d) A code editor tool

How can you clone a repository from GitHub to your local machine?

a) git clone

b) git fetch

c) git init

d) git pull

What is the purpose of the 'Issues' tab in GitHub repositories?

a) To track and discuss bugs, enhancements, and tasks

b) To view commit history

c) To create new branches

d) To merge changes into the main branch

Which GitHub feature allows multiple people to collaborate on a project simultaneously?

a) Pull Requests

b) Forking

c) Issues

d) Branches

What does the 'README.md' file in a GitHub repository contain?

a) Detailed instructions for using the project

b) A list of contributors

c) Commit history

d) License information

How can you update your local repository with changes from a remote repository in Git?

a) git merge

b) git fetch

c) git update

d) git commit -u origin

What is the purpose of the 'git push' command in Git?

a) To stage changes for commit

b) To download changes from a remote repository

c) To update the remote repository with local changes

d) To switch between branches

What is git and github?

* Git is a Global information tracker ,It is a centralized repo,Once if data is crashed from server there is no backup.
* Gihub is a server where all info is stored from local repo ,It has a remote repo,If data is crashed it has a backup.It is a distributed VCS.

What is CVCS and DVCS ?

CVCS:

* It a centralized vcs
* There is no backup in this if data is crashed in server
* It has local repo and server
* If data is moved from local to server it is called commit
* If data is moved from server to local repo it is called checkout

DVCS:

* It is distributed vcs
* There is a backup in this if data is crashed in server
* It has Local repo and remote repo
* If data is moved from local to remote repo it is called push
* If data is moved from remote repo to local repo it is called pull

Create a project of any and push the project

* create folder in desktop
* create file in working directory
* open new terminal perform 6 commands to push project to repo:

1. git init

2.git add [file name]

3.git commit -m "second commit"

4.git branch [branch name]

5.git remote add origin [SSH ID]

6.git push -u origin [branch name]

Create 3 branches and 5 tags

git branch[branch name]

git branch[book1]

git branch[book2]

git branch[book3]

git tag [commit Id]

git tag [v1.0]

git tag[v2.0]

git tag[v3.0]

git tag[v4.0]

git tag[v4.0]

Create a Keygen and push using ssh

Push using SSH :pushing the project from local repo to specified repo.