Vinay

8/7/19

QUESTIONS

1. What are the advantages of using Git?

We can store the code or files in local repository or local machine.

We have the change history of every file, can be revert back the changes any time.

We can create braches and merge the code to new branch to avoid conflicts

Traceability

2. What language is used in Git?

C language

1. What is the meaning of “Index” or “Staging Area” in Git?

Index is where git keep track of files.

Staging area is where next step to commit like git add . , after these git is ready we can makes changes in the staging area and commit ,

git commit -m “some message”

4. What is the process for creating a repository in Git?

You can create git repository in github account by click new repository

The other way is you can make directory mkdir <dir1> then you initialize the git add files then commit and push the changes to new repo in git hub.

5. What is ‘head’ in Git and how many heads can be created in a repository?

Head is in every repository called master , any number of heads can be created ,head will always point to current.

6. Why do we need branching in Git?

Branching is used to avoid conflicts, Master branch is the default branch, So in order not to disturb the master branch we can create multiple branch write code test code then if works file then at production level we can merge to the main branch called master branch.

7. Write a way to create a new branch in Git?

git branch <branch name>

8. How do you define a ‘conflict’ in Git?

Same file and same piece of code and line where two people are making the changes then pushing the code to same branch then conflict arise.

9. How to resolve a conflict in Git?

By creating a new branch pushing the code to new branch.

10. What is the function of ‘git config’?

Used to set the git local repo to github account , used to config the credential with the git hub.

11. What is Git fork?

Is used to copy the git repo of other people in the github

12. Difference between fork, branch and clone?  
fork to copy the git repository and branch is used for git collection of files and floders, clone is to the copy the entery repo to the local machine using http url

13. What's the difference between a "pull request" and a "branch"?

We need to make PR request before push or commit the code to the main master branch ,PR request should approved by one of the lead developer

14. What is the difference between "git pull" and "git fetch"?

Git pull download changes (updated files) from the remote and merge then to the current branch to local machine and Git fetch download the changes to the local machine.

15. How to revert previous commit in Git?

Git revert <commit id>

16. Explain the advantages of Forking Workflow

Contributions can be integrated without the need for everybody to push to a single central repo. Developers will push to their own sever -side repo and only the project maintainer can push to the official repo.

17. Difference between HEAD, working tree and index, in Git?

Head points to current working tree.

Working tree is the files which you are working on current files

Index compares the files in working tree to the files in repo . when you make the changes in working tree the index will mark the file as modified before it is committed

18. How to identify if a certain branch has been merged into master?

Git branch –merged master lists the branch merged to master

19. What is the use of a Git clone?

Clone the repo to local machine git clone “ ”

20. What is Git stash?

Stashing takes the dirty state of your working directory that is your modified files and staged changes . git status gives the dirty state.

21. When should I use "git stash"?

When you have been working on part of your project , things are in amessy state and you want to switch the branches for a bit to work on something else, the problem is , you do not want to do a commit of half done work just so you can get bacj to this pont later the use git stash command

22. What is Git stash drop?

It remove the latest stash entry

23. What is Git stash save?

Save the stash record point the head

QUESTIONS

24. What README.MD ? What is its purpose? What does MD stands for?

README.MD we can give summary description for the project anything which explains about that md is markdown.

25. How to create repository from command prompt?

Git init

Git commit -m “message”

Git config

Git push   
26. What is the function of ‘git checkout’ in Git?

Used to move different branch git checkout branch name

27. How can you bring a new feature in the main branch?

By creating new branch feature branch

28. What is the function of ‘git rm’?

Is used to remove tracked files from git index

29. What is the function of ‘git stash apply’?

Used To restore the change made by git stash

30. What is the use of ‘git log’?

give the commit history

31. What is ‘git add’ is used for?

Used to add files

32. What is 'git diff' is used for?

shows the modified files

33. What is ‘git status’ is used for?  
status of current status

34. Can we create multiple branch with one command?

yes  
35. what is the command that is used to delete a branch?

git push origin --delete

36. What is another option for merging in git?

Git rebase

37. How to remove a file from git without removing it from your file system?

Git rm –cached file

38. Use of "git rebase" instead of "git merge"?

To see the commit history rebase is best option

39. What is a repository in Git?

It is folder files,set of files ,changes of files..etc,,,

40. Command used to write a commit message?

git commit -m “message”

41. What does commit object contain?

Commit is a hashed object

42. Write one use-case of Github?  
git init

Git config –-global user.name “ “

Git config –-global user.email. “ ”

Git add .

Git commit -m “message”

Git push -u origin master

43. Name some alternative of Git?

Svn,mercurial,bitkeeper…

44. What is a gist in Git?

Gist is a Git repository it can be forked and cloned. It is assosited with GitHub account

45. What is a gist programming?

Gist is a simple way to share code snippets and pastes with others.

46. Name any two Git repository hosting services which are common

Codesion Enterprise Git and Subversion hosting