1)What is Git ?

ans: GIT is a distributed version control system and source code management (SCM)

system with an emphasis to handle small and large projects with speed and efficiency.

2) In what form is Git being used in your Company? Give examples of a few types of Git implementations.

ans:

Git is primarily developed on Linux, although it also supports most major

operating systems including Microsoft windows.The JGit implementation of

Git is a pure Java software library.

3) What are the different Tools that you integrated Git with in your company ?

Ans:

Git diff tool: This tool simply launches external tool to show the difference between two trees.

Git merge tool: Git merge tool launches external git merge helper incase if you have issues with merge in git.

4) What are Git hooks ?

ans: This is a directory consists of shell scripts which are activated

after the corresponding git commands executed.

5) Give us an example of a Git Hook that you implemented?

6) List all commands a developer uses to push to git starting from clean workspace ?

ans:

git init

git clean

git clone //http:url//

<working directory>

git add .

git config –-global user.email

git config –global user.name

git commit –m”name of file to commit”

git push origin master

7)Difference between Git push and Git pull

ans:

The git push command is used to communicate with another repository,

calculate what your local database has that the remote one does not,

and then pushes the difference into the other repository

git pull: The git pull command is basically a combination of the git fetch and git merge commands

8) Different between Git Rebase and git pull

ans: The git pull command is basically a combination of the git fetch and git merge commands.

Gitrebase:It determines a series of commits and then cherry-picks them one by one in the

same order somewhere else

9) What is the command to know what branch you are currently on ?

ans:

git show branch

10) Command to know what other git branches exist on the git server ?

ans:

git branches -a

11) How do you know which remote branch your local git branch is tracking? Give exact command.

Ans: Git remote show origin

11) what is a git remote ?

ans:

‘git remote add’ just creates an entry in your git config that specifies a name for a

particular URL

12) How can you temporarily save changes before pulling/merging or switching branches?

ans: git stash

13) difference between git branches and git tags ?

ans:

git branch is for

git tag is for permanent book mark.

14) what are different types of git tags available ? give exact commands on how to create each type of tag ?

ans:

light weight,annotated

git tag –s

git tag -v

15) what command do you use to merge two branches ? give exact commands. How do you know what files need conflict resolution?

How do you proceed after resolving a conflict?

ans: git merge <branch>

16) How do you know current state of your workspace to that on git server ?

ans:

git status

17) What command is used to fetch the latest updates by others?

ans: git pull or git fetch

18) What command is used to create a git repo for your personal development?

ans:

git init

git clone

19) Explain the relationship between the working directory,

the index, the repository

ans:

edit, git add, git commit

21) what command do you use to know list of previous commits ?

ans:

git log

22) What is 3a525393f6a5c47fa08d91ef16c16927ed3cd33a? What are the benefits of this?

ans: This is an example ofdirect-access content storage, and it also protects from and detects corruption .

23) command to rename a file in Git?

ans: mv oldfile newfile

24) What git command is used to undo changes made to your local repo? What are the variations and how do they work?

Ans:

Git reset

We use git reset --hard to abort a merge in “Aborting a Merge”

25) What is GIT command to use

1) to delete a local git branch?

2) to delete git branch on remote server

Git rm file

Git remote rm filename

Git