You can download git here: <http://git-scm.com/downloads>

Install Git with default settings.

Generating a pair of ssh keys:

     ssh-keygen -t rsa –C “vitali\_shulha@epam.com"

The public key (id\_rsa) should be sent to the owner of the repository in order to obtain work rights. Or upload to profile settings in bitbucket / github / gitlab.

Username and email settings:

     git config --global user.name “Vitali Shulha“

     git config --global user.email “vitali\_Shulha@epam.com"

git clone https://github.com/sandyaat/nation.git

cd git location

gitk& to see history

to check whether it is git git remote -v

git gui& to use git bash and git ui together

git show -s --pretty=raw 4709 to check what are present in the commit 4709 is the first four numbers of commit hashcode

to check what are present in the tree git ls-tree 3b99

git checkout . to revert any files new files the contents of the file will be reverted to last known commit

git clean -xdf

**to delete the last commit**

**1.local repo**—

git commit –amend -m “commit message”

git reset HEAD^^ (head is 2 means we need to remove last two commits)

git reset

filesystem->stagging area->commit

reset means moving a file from commit to filesystem there are two ways soft and hard

git reset -soft head^1 moves the file to staging

git reset -mixed head^1 hard revert it will show as unchanged

**2.remote repo**

git -revert 7890 (7890 is commit hashcode number)

git.ignore file is used to ignore specific type of files to show in stagging or commit

git reset --hard head^1 it will delete permanently

**Branches**

To create a new branch git checkout -b feature

**How to merge branch to master**

Git checkout master

Git merge feature

**Ways to resolve conflicts**

