**WHAT IS GITBASH?**

**GitBash is an application which helps us to work in Git using command line interface using commands.**

**HOW TO INSTALL GITBASH?**

**Step 1:** The .exe file can be downloaded from the website <https://gitforwindows.org/> . Once downloaded open GitBash it asks to accept GNU General Public License.

**Step 2:** You can select the components to be installed and click next button.

**Step 3:** You can select how to make GitBash access Git through 3rd party or through optional unix tools.

**Step 4:**  After Installation process, you can now use GitBash to use Git.

**Step 5:** After opening you can set username and email address by entering commands

git config –-global user.name “Name”

git config –-global user.email “Name@xyz.com”

**Step 6:**  Make a repository in GitHub.

**Step 7:**  It shows the commands that can be used in GitBash CLI to create a new repository.

**Step 8:** Initialize local directory as Git repository by entering

git init

**Step 9:** Stage the files for first commit by adding the files to local repository.

git add .

**Step 10:** With the following command we can see the staged files

git status

**Step 11:** We can commit the files by entering

git commit -m “First Commit”

Here it is desirable to name the commit for our convenience.

**PUSH FILES TO GIT REPOSITORY:**

**Step 12:** Copy the repository URL and enter

git remote add origin repository URL

to push your local repository.

**Step 13:** To push the changes from your local repository to GitHub, enter

git push origin master

Now in GitHub repository the files that are pushed can be seen.

**ADDING FILES:**

**Step 14:** If new files are added in local repository it needs to be committed

git add file name

**Step 15:** Now commit the files by entering

git commit -m “commit name”

Here it is desirable to name the commit for our convenience.

**Step 16:** Push the changes by entering

git push origin master

Now the changes can be seen in the repository.

**CREATE A BRANCH USING GITBASH CLI:**

**Step 17:** To create a branch, enter

git branch branch name

Now we can do the commit action on branches as well using the above commands.

**MERGING TWO BRANCHES:**

**Step 18:** First reach the target branch (where you need to merge)

git checkout branch name

**Step 19:** Merge branch to target branch

git merge new branch