

To create a new folder

Mkdir "folder name"

If we have to add a file and a folder both to a different branch(an empty folder can't be pushed to git)

First add the file then add the folder and then commit it. Finally push to origin with new branch

Creating new folder with a new file to a new branch on git

```
git init #create repo
```

```
touch file1.txt
```

```
git add file1.txt
```

```
git commit -m 'initial commit'
```

```
git branch newBranch
```

```
git checkout newBranch
```

```
mkdir folder
```

```
touch folder/file2.txt
```

```
git add folder #tell git we want to track the folder
```

```
git commit -m 'second commit'
```

```
git checkout master
```

```
# folder/file2.txt is not available as expected.
```

******For pushing new branch to a remote branch with a new folder with a folder in it**

Switch to the desired branch

```
touch A2/hello1.txt -> Created a folder A2 with file hello1.txt in it
```

```
git add A2 -> Adds folder with files in it
```

```
git commit -m "second commit"
```

```
git push -u origin <branch>
```

Merge branch to Master

```
git checkout master
```

```
git pull origin master
```

```
git merge test
```

```
git push origin master
```

Compare local and remote branches

`git diff <local-branch-name> <remote-branch-name>`

`git branch -r` (for all remote branches)

`git branch -a` (all branches)