

GIT & GITHUB

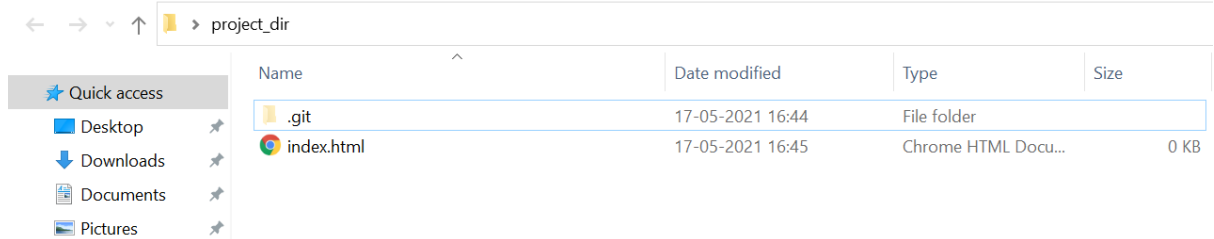
Assignment - 0

1. Create a directory 'Project_dir' and cd to 'Project_dir'

```
okarbhal@LIN24004349 MINGW64 ~  
$ mkdir project_dir  
  
okarbhal@LIN24004349 MINGW64 ~  
$ cd project_dir  
  
okarbhal@LIN24004349 MINGW64 ~/project_dir  
$ |
```

2. Initialise a git version database

```
okarbhal@LIN24004349 MINGW64 ~/desktop (master)  
$ git init  
Initialized empty Git repository in C:/Users/OKARBHAL/Desktop/.git/
```



Name	Date modified	Type	Size
.git	17-05-2021 16:44	File folder	
index.html	17-05-2021 16:45	Chrome HTML Docu...	0 KB

3. Create new index.html file

```
okarbhal@LIN24004349 MINGW64 ~/desktop/project_dir (master)  
$ touch index.html
```

4. Check git status. You should find status as untracked version

```
okarbhal@LIN24004349 MINGW64 ~/desktop/project_dir (master)  
$ git status  
On branch master  
  
No commits yet  
  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
    index.html
```

5. Stage the index.html

```
okarbhal@LIN24004349 MINGW64 ~/desktop/project_dir (master)
$ git add index.html

okarbhal@LIN24004349 MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   index.html
```

6. Commit index.html

```
okarbhal@LIN24004349 MINGW64 ~/desktop/project_dir (master)
$ git commit index.html
[master (root-commit) d0b017f] Initial commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
```

7. Make few changes in index.html & create new file info.txt

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ touch info.txt

Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        info.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

8. Configure git to ignore all the text file

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ touch .gitignore

Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        info.txt

no changes added to commit (use "git add" and/or "git commit -a")

Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

no changes added to commit (use "git add" and/or "git commit -a")

Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git add .gitignore

Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git commit -m 'text files ignored'
[master 12e2afb] text files ignored
1 file changed, 1 insertion(+)
create mode 100644 .gitignore
```

9. Again check the git status. You should find only index.html as untracked file.

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html
```

11. Stage & commit index.html

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git add index.html

Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git commit -m 'Changes made in index file'
[master 930b087] Changes made in index file
1 file changed, 1 insertion(+)
```

12. Log all your comments so far

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git log
commit 930b08776e7be2733a1efd7f681b35ccf1720f36 (HEAD -> master)
Author: Onkar Karbhal <Okarbhal.com>
Date: Mon May 17 19:36:39 2021 +0530

    Changes made in index file

commit 12e2afb702d41e892098e3770dc0d41814994d42
Author: Onkar Karbhal <Okarbhal.com>
Date: Mon May 17 19:26:38 2021 +0530

    text files ignored

commit bae3b0bef6188eb0730638a482c2ccc9b9df6ab6
Author: Onkar Karbhal <Okarbhal.com>
Date: Mon May 17 19:20:53 2021 +0530

    Index file committed

commit 996b17b2671767bc548a4c2bacc50e30a5d488d5
Author: Onkar Karbhal <Okarbhal.com>
Date: Mon May 17 18:22:10 2021 +0530

    Initial commit
```

13. Again change index.html

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html
```

14. Revert (Undo) the changes made in previous step using git command

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git checkout -- index.html
```

15. Again change index.html

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git checkout -- index.html
```

16. Stage index.html

```
Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git add index.html

Admin@Onkar MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html
```