SECTION – 0

```
MINGW64:/c/Users/Hingula bhat/project_dir

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~
$ mkdir project_dir

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~
$ cd project_dir

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir
$ git init
Initialized empty Git repository in C:/Users/Hingula bhat/project_dir/.git/

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ touch index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/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

nothing added to commit but untracked files present (use "git add" to track)

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git add index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git commit index.html
[master (root-commit) 3c1a7ae] FIRST COMMIT
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ touch info.txt

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/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")
```
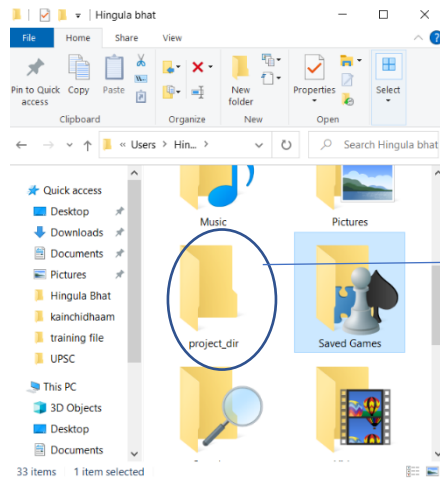
Local repo created

Index.html created

Changed html

```
index.html
1  <html>
2  <head>
3    <title> This is the first assignment </title>
4  </head>
5  <body>
6    <h1> SECTION 0 ASSIGNMENT </h1>
7      <p1>Fresher training immersive learning module</p1>
8  </body>
9  </html>
10
```
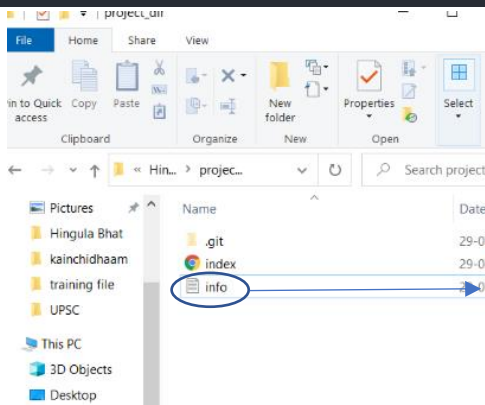
Original html file

```
index.html
1  <html>
2  <head>
3    <title> This is the first assignment </title>
4  </head>
5  <body>
6    <h1> SECTION 0 ASSIGNMENT </h1>
7      <p1>Fresher training immersive learning module</p1>
8        <p2> This is a really informative module </p2>
9  </body>
10 </html>
11
```

Info.txt created

MINGW64:/c/Users/Hingula bhat/project_dir

```
Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ touch .gitignore

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/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")

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git add index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git commit -m "Changes made to index.html"
[master 8d70a70] Changes made to index.html
 1 file changed, 9 insertions(+)

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git log
commit 8d70a70094113df82f8216ecf2eaa6b9a2ac66fe (HEAD -> master)
Author: unknown <bhat.hingula@gmail.com>
Date:   Thu Jul 29 12:34:30 2021 +0530

    Changes made to index.html

commit 3c1a7aeb65d9f04239222cd814b972104932ad94
Author: unknown <bhat.hingula@gmail.com>
Date:   Thu Jul 29 12:16:02 2021 +0530

    FIRST COMMIT

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git checkout index.html
Updated 1 path from the index

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git add index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git restore --staged index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ alias my_add="git add"

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ my_add index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git commit -m "final changes"
[master 1e83419] final changes
 1 file changed, 2 insertions(+), 1 deletion(-)

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git reset --soft HEAD~1

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html
```
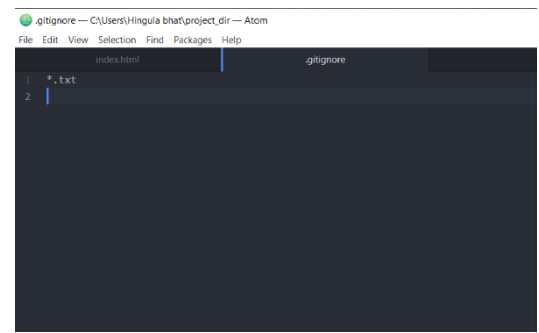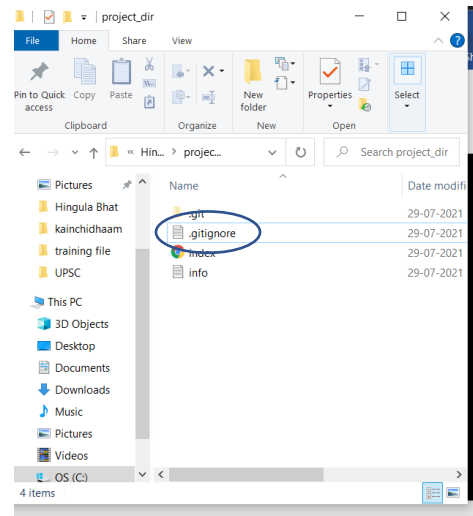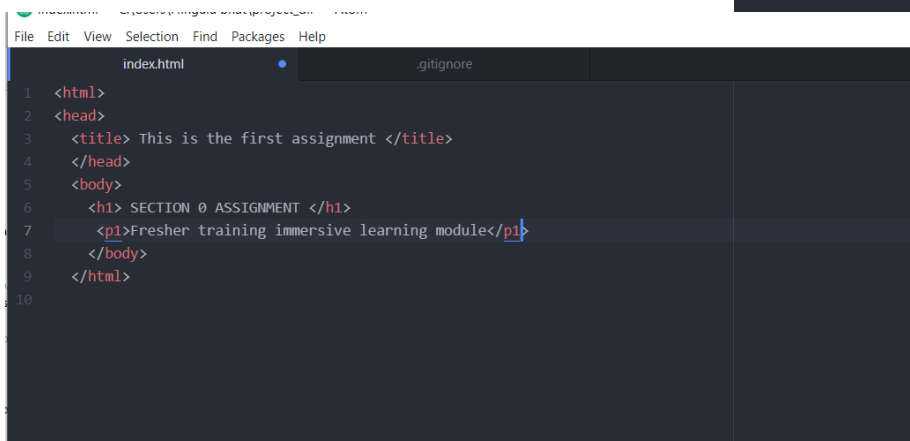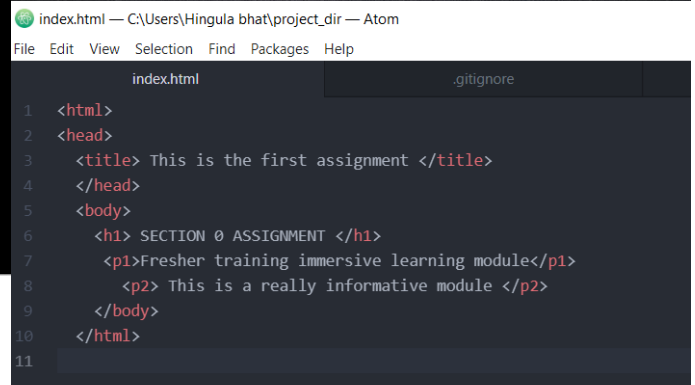

.gitignore — C:\Users\Hingula bhat\project_dir — Atom

```
1  *.txt
2
```

changes made to index.html

index.html — C:\Users\Hingula bhat\project_dir — Atom

```html
1   <html>
2   <head>
3     <title> This is the first assignment </title>
4   </head>
5   <body>
6     <h1> SECTION 0 ASSIGNMENT </h1>
7       <p1>Fresher training immersive learning module</p1>
8        <p2> This is a really informative module </p2>
9   </body>
10  </html>
11
```

index.html — C:\Users\Hingula bhat\project_dir — Atom

```html
1   <html>
2   <head>
3     <title> This is the first assignment </title>
4   </head>
5   <body>
6     <h1> SECTION 0 ASSIGNMENT </h1>
7       <p1>Fresher training immersive learning module</p1>
8   </body>
9   </html>
10
```

Reverted the changes

```
Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~
$ mkdir project_dir

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~
$ cd project_dir

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir
$ git init
Initialized empty Git repository in C:/Users/Hingula bhat/project_dir/.git/

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ touch index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/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

nothing added to commit but untracked files present (use "git add" to track)

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git add index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git commit index.html
[master (root-commit) 3c1a7ae] FIRST COMMIT
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ touch info.txt

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/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")

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ touch .gitignore

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/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")

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git add index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git commit -m "Changes made to index.html"
[master 8d70a70] Changes made to index.html
 1 file changed, 9 insertions(+)

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git log
commit 8d70a70094113df82f8216ecf2eaa6b9a2ac66fe (HEAD -> master)
Author: unknown <bhat.hingula@gmail.com>
Date:   Thu Jul 29 12:34:30 2021 +0530

    Changes made to index.html
```

commit 3c1a7aeb65d9f04239222cd814b972104932ad94
Author: unknown <bhat.hingula@gmail.com>
Date: Thu Jul 29 12:16:02 2021 +0530

    FIRST COMMIT

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git checkout index.html
Updated 1 path from the index

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git add index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git restore --staged index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ alias my_add="git add"

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ my_add index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git commit -m "final changes"
[master 1e83419] final changes
 1 file changed, 2 insertions(+), 1 deletion(-)

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git reset --soft HEAD~1

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified: index.html

Hingula bhat@DESKTOP-QRO9FDK MINGW64 ~/project_dir (master)
$