

Step 1: Open Git Bash and Create an empty directory with the name todo\_list and change the working directory to it.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop (main)
$ mkdir todo_list

Administrator@8f7b90438d62516 MINGW64 ~/desktop (main)
$ cd todo_list
```

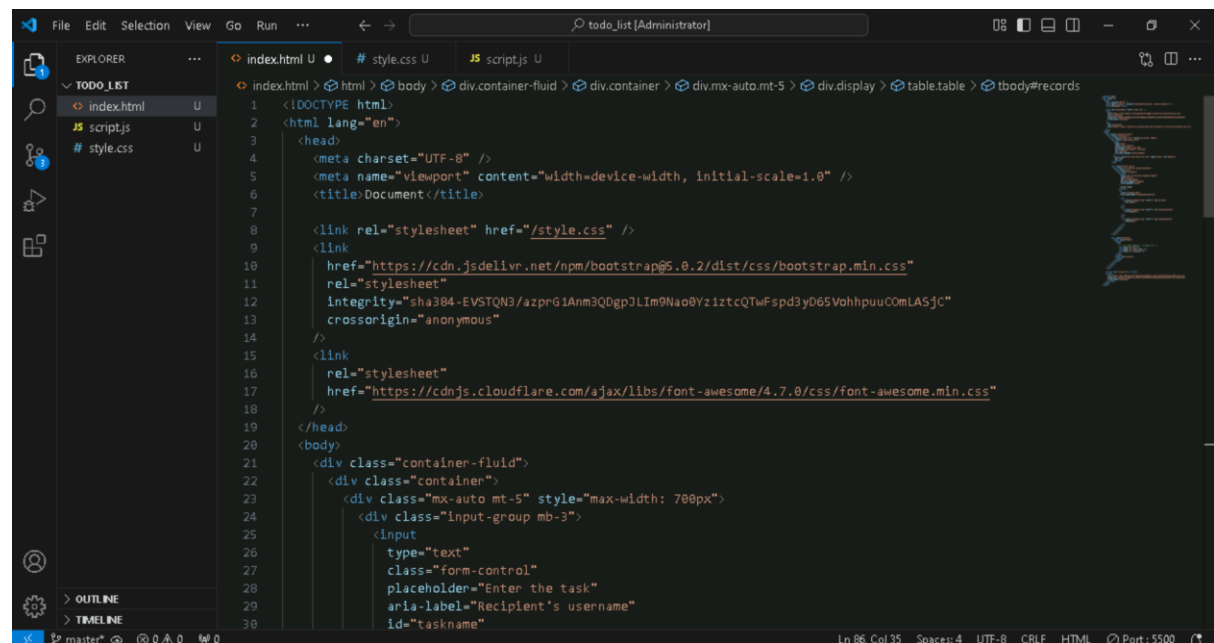
Step 2: Create index.html, style.css and script.js files.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ touch index.html style.css script.js
```

Step 3: Open the directory todo\_list in VS code to make the changes in files.

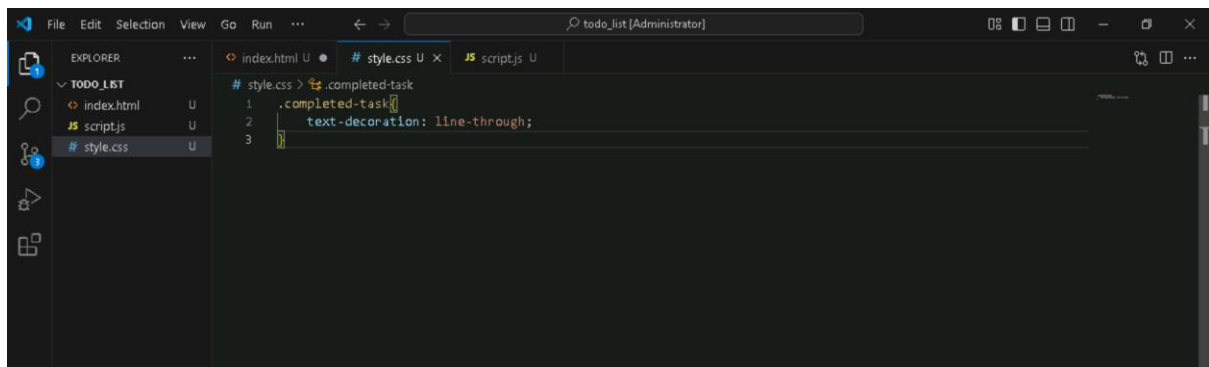
```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (master)
$ code .
```

Step 4: Make Changes in HTML, CSS.

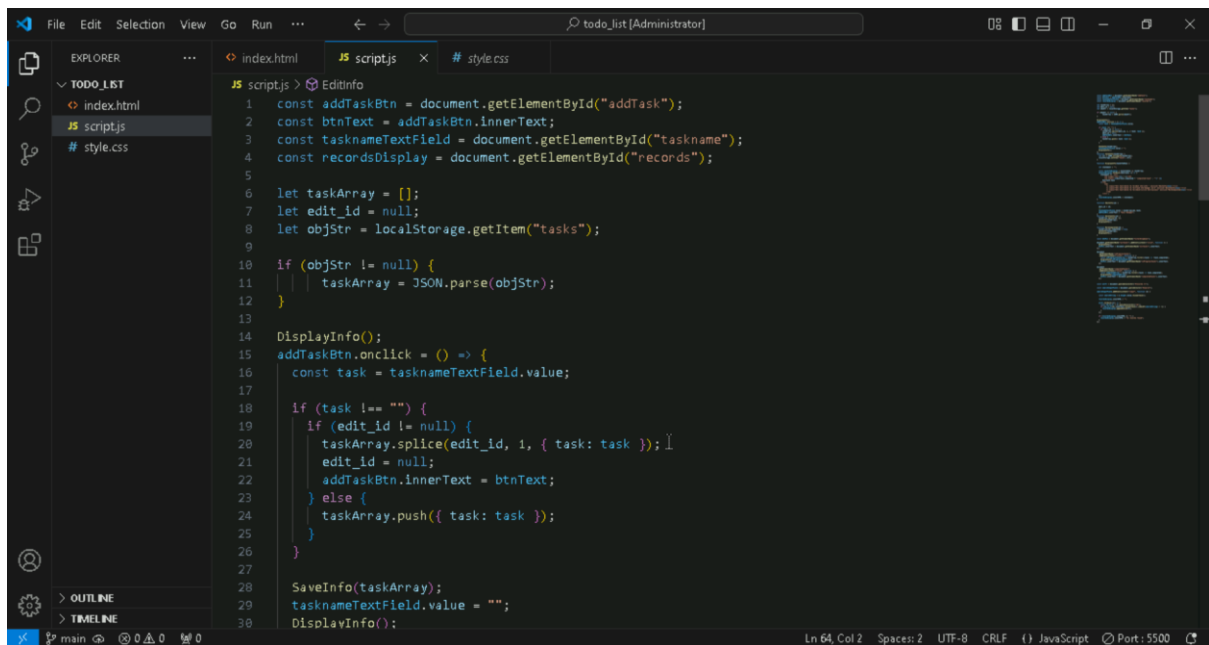


The screenshot shows the Visual Studio Code editor interface. The Explorer panel on the left shows a project named 'TODO\_LIST' with files 'index.html', 'script.js', and 'style.css'. The main editor area displays the 'index.html' file with the following content:

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6     <title>Document</title>
7
8     <link rel="stylesheet" href="/style.css" />
9
10    <link
11      href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
12      rel="stylesheet"
13      integrity="sha384-EVSTQN3/azprG1Anm3QDgp3LIm9NaoB9vz1ztccQTWfspd3y065VohhpuuCOMLAsjC"
14      crossorigin="anonymous"
15    />
16
17    <link
18      href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@4.7.0/css/fontawesome.min.css"
19      rel="stylesheet"
20    />
21  </head>
22  <body>
23    <div class="container-fluid">
24      <div class="container">
25        <div class="mx-auto mt-5" style="max-width: 700px">
26          <div class="input-group mb-3">
27            <input
28              type="text"
29              class="form-control"
30              placeholder="Enter the task"
31              aria-label="Recipient's username"
32              id="taskname">
```



Step 6: Make changes in JS file.



Step 7: Initialize the repository using git init.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git init
Initialized empty Git repository in C:/Users/Administrator/Desktop/todo_list/.git/
```

Step 7: Create repository in GitHub copy the link then Git remote add to sync local and remote repository.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (master)
$ git remote add origin https://github.com/Prsingh9/todo-List.git
```

Step 8: Add the HTML and CSS files to the staging area and make the commit.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (master)
$ git add index.html style.css

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (master)
$ git commit -m "updated html & css file"
[master (root-commit) 00dc564] updated html & css file
 2 files changed, 115 insertions(+)
 create mode 100644 index.html
 create mode 100644 style.css
```

Step 9: Add JS file to the staging area and make commit.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git add script.js

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git commit -m "js file updated"
[main 4c36966] js file updated
 1 file changed, 98 insertions(+)
 create mode 100644 script.js
```

Step 10: Push the code to the remote repository (GitHub).

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git push origin main
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 2.56 KiB | 1.28 MiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Prsingh9/todo-List.git
 * [new branch]      main -> main
```

Step 11: Create a new branch addtask, after updating the addtask function in script.js, add and commit the script.js file

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git branch addtask

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git checkout addtask
Switched to branch 'addtask'

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (addtask)
$ git add script.js

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (addtask)
$ git commit -m "addtask function updated"
[addtask d871c9d] addtask function updated
1 file changed, 16 insertions(+), 2 deletions(-)
```

Step 12: Checkout to the main branch and merge the addtask branch, after merging push the code to remote repository.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (addtask)
$ git checkout main
Switched to branch 'main'

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git merge addtask
Updating 4c36966..d871c9d
Fast-forward
 script.js | 18 ++++++++-----
 1 file changed, 16 insertions(+), 2 deletions(-)

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 588 bytes | 588.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Prsingh9/todo-List.git
 4c36966..d871c9d  main -> main
```

Step 13: Create branch edit-feature, add edit feature function in script.js and then add and commit script.js.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git branch edit-feature

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (main)
$ git checkout edit-feature
M       script.js
Switched to branch 'edit-feature'

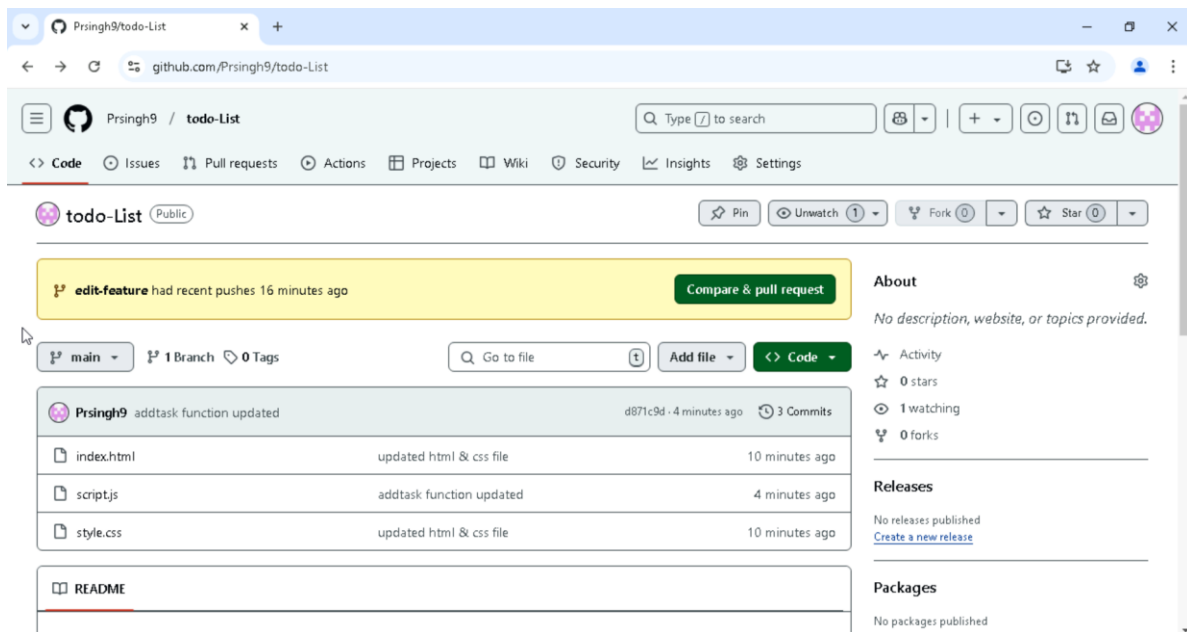
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (edit-feature)
$ git add script.js

Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (edit-feature)
$ git commit -m "edit feature added"
[edit-feature 46f4e78] edit feature added
1 file changed, 11 insertions(+), 2 deletions(-)
```

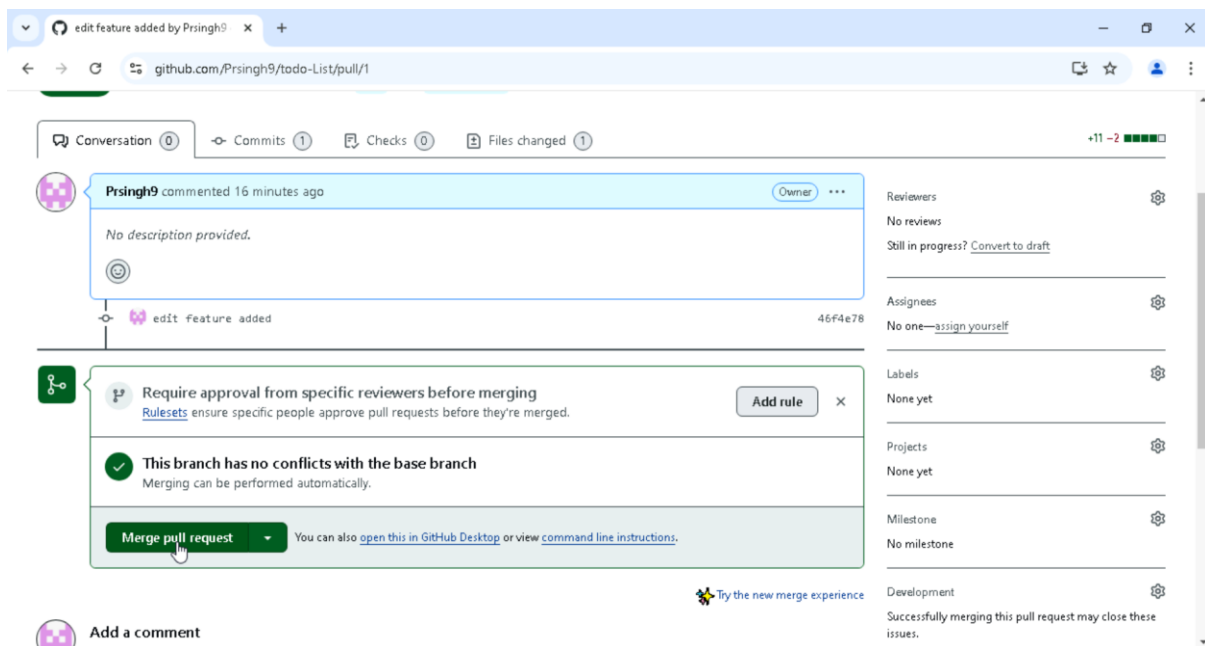
Step14: Push the edit-feature branch commit to the remote repository or GitHub.

```
Administrator@8f7b90438d62516 MINGW64 ~/desktop/todo_list (edit-feature)
$ git push origin edit-feature
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 510 bytes | 510.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'edit-feature' on GitHub by visiting:
remote:   https://github.com/Prsingh9/todo-List/pull/new/edit-feature
remote:
To https://github.com/Prsingh9/todo-List.git
 * [new branch]      edit-feature -> edit-feature
```

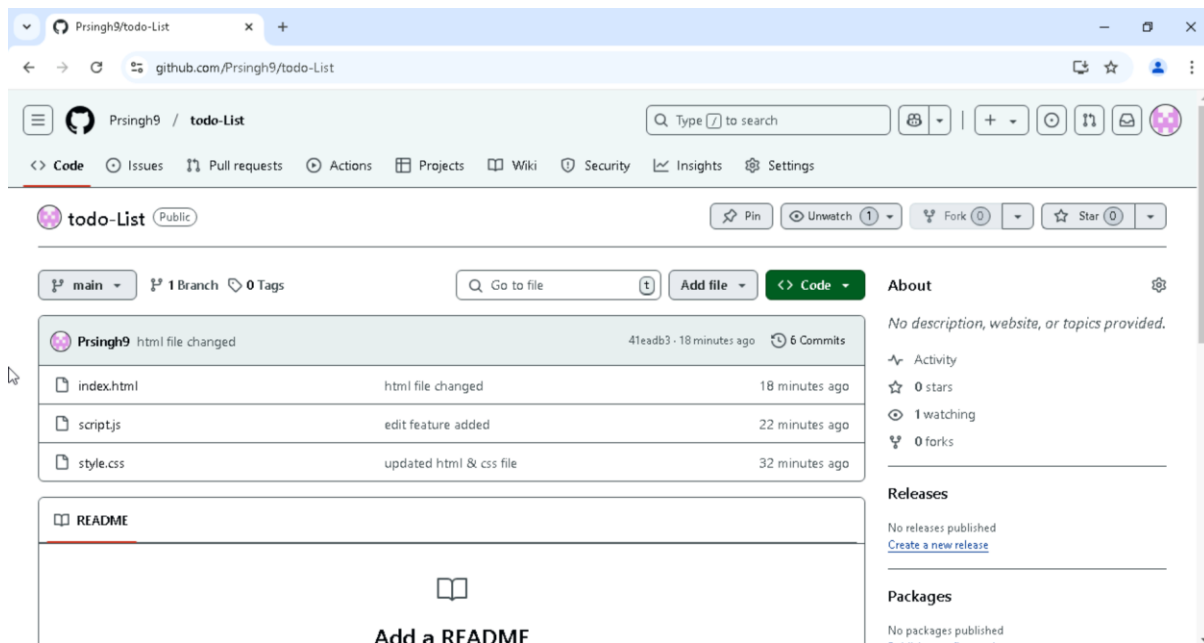
Step 15: Open GitHub and click on compare and pull request.



Step16: After comparing the changes merge the pull request into the main branch and delete the edit-feature branch.



Step17: Changes are made successfully in the remote repository.



Step 18: Todo List Website

