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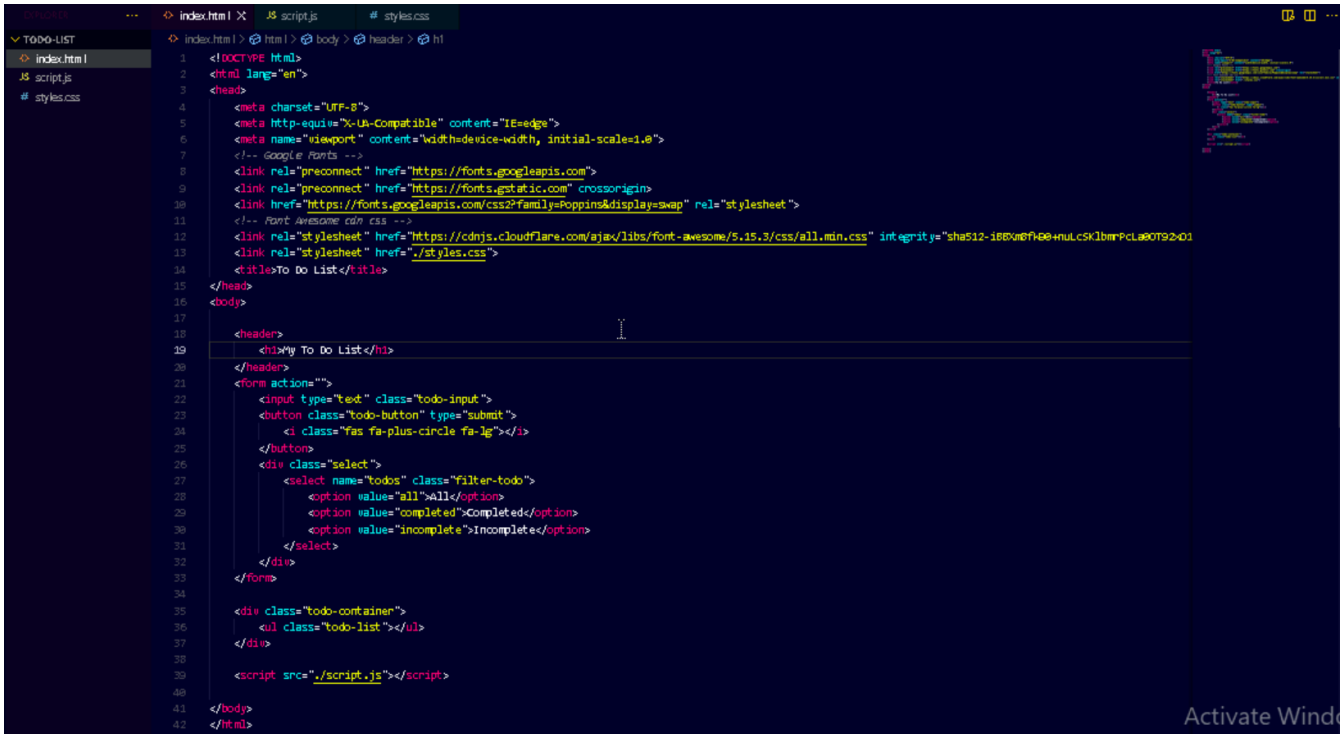
BEGINNER PROJECT 2

To-Do List App (Frontend)

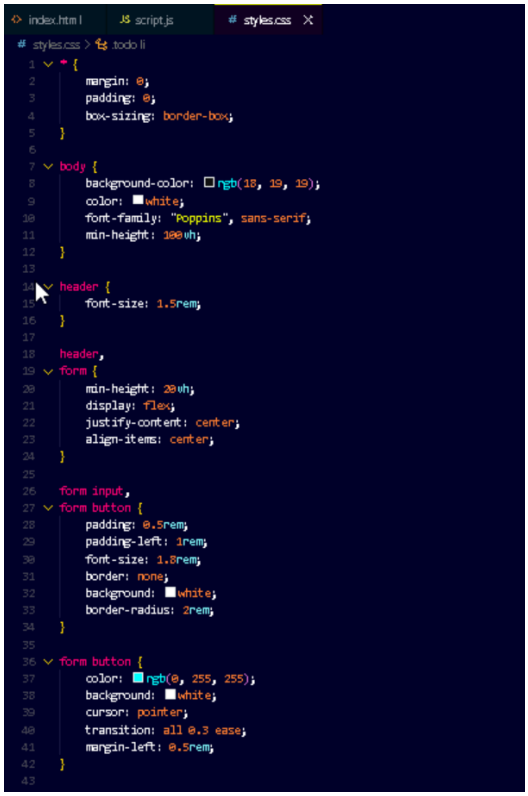
1. objective: Build a basic To-Do list web appli. Using HTML, CSS, and JavaScript.
2. skills: Learn how to organize your code into commits and set up a Github repo
3.GitHub concepts: Regularly commit your progress, create branches for features and make pull requests.

Step 1 – Building website –

- **HTML**

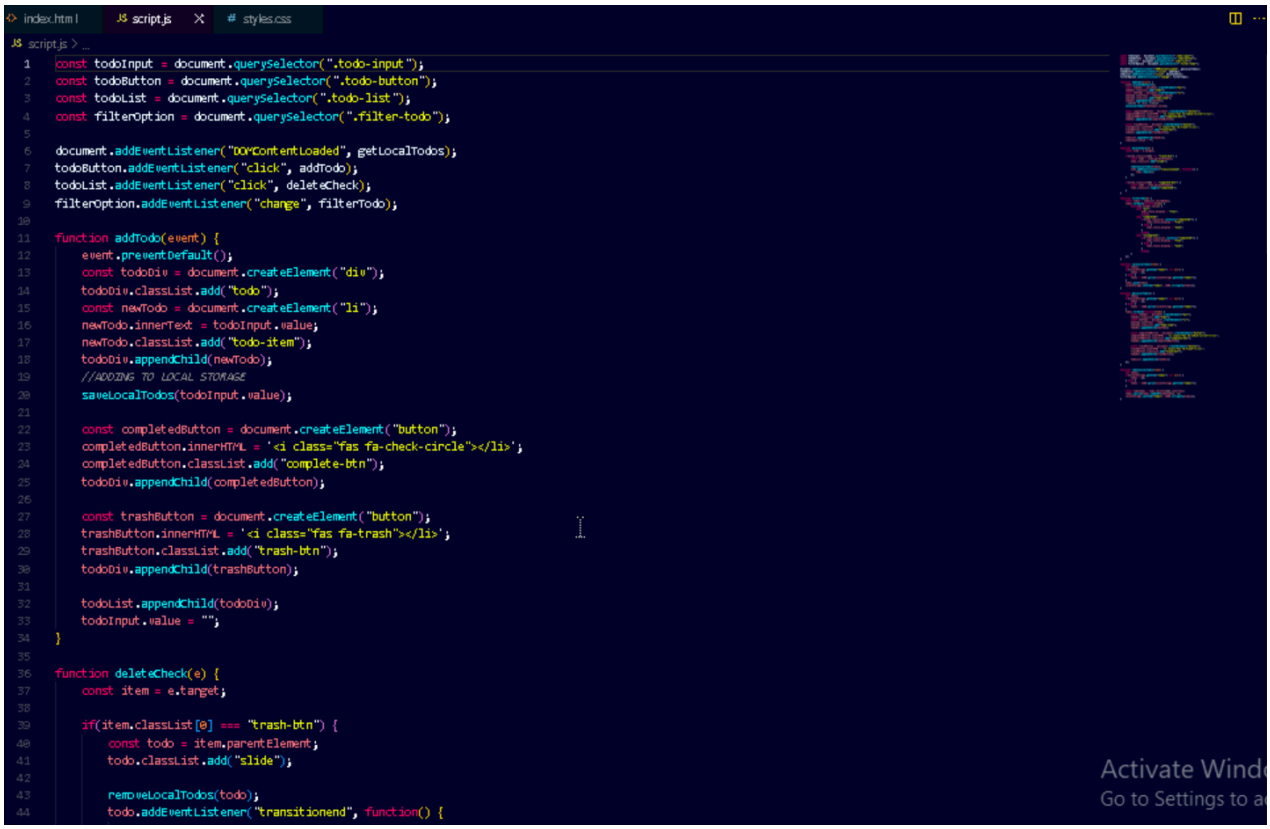


- **CSS**



```css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    background-color: rgb(18, 19, 19);
    color: white;
    font-family: "Poppins", sans-serif;
    min-height: 100vh;
}

header {
    font-size: 1.5rem;
}

header,
form {
    min-height: 20vh;
    display: flex;
    justify-content: center;
    align-items: center;
}

form input,
form button {
    padding: 0.5rem;
    padding-left: 1rem;
    font-size: 1.8rem;
    border: none;
    background: white;
    border-radius: 2rem;
}

form button {
    color: rgb(0, 255, 255);
    background: white;
    cursor: pointer;
    transition: all 0.3 ease;
    margin-left: 0.5rem;
}
```

- **JS**



```js
const todoInput = document.querySelector(".todo-input");
const todoButton = document.querySelector(".todo-button");
const todoList = document.querySelector(".todo-list");
const filterOption = document.querySelector(".filter-todo");

document.addEventListener("DOMContentLoaded", getLocalTodos);
todoButton.addEventListener("click", addTodo);
todoList.addEventListener("click", deleteCheck);
filterOption.addEventListener("change", filterTodo);

function addTodo(event) {
    event.preventDefault();
    const todoDiv = document.createElement("div");
    todoDiv.classList.add("todo");
    const newTodo = document.createElement("li");
    newTodo.innerText = todoInput.value;
    newTodo.classList.add("todo-item");
    todoDiv.appendChild(newTodo);
    //ADDING TO LOCAL STORAGE
    saveLocalTodos(todoInput.value);

    const completedButton = document.createElement("button");
    completedButton.innerHTML = '<i class="fas fa-check-circle"></li>';
    completedButton.classList.add("complete-btn");
    todoDiv.appendChild(completedButton);

    const trashButton = document.createElement("button");
    trashButton.innerHTML = '<i class="fas fa-trash"></li>';
    trashButton.classList.add("trash-btn");
    todoDiv.appendChild(trashButton);

    todoList.appendChild(todoDiv);
    todoInput.value = "";
}

function deleteCheck(e) {
    const item = e.target;

    if(item.classList[0] === "trash-btn") {
        const todo = item.parentElement;
        todo.classList.add("slide");

        removeLocalTodos(todo);
        todo.addEventListener("transitionend", function() {
```

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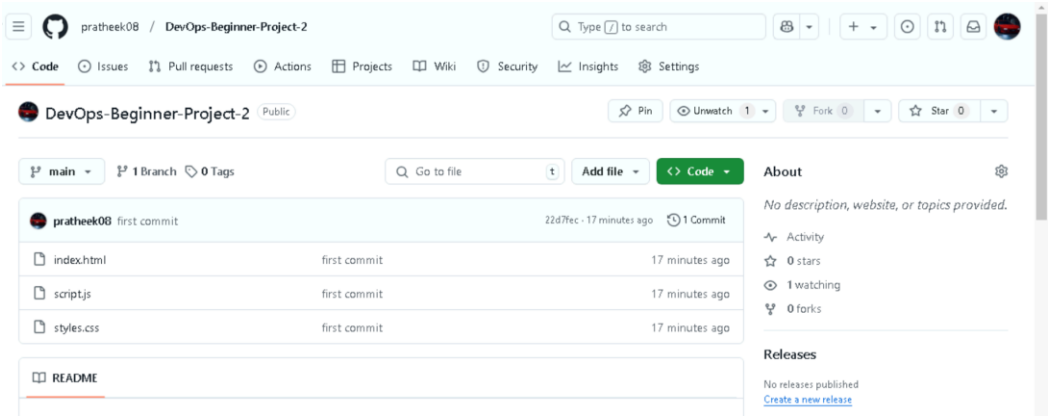
Step 2 – Github Repo



Step 3 - Commit these changes to git

```
PS C:\Users\Administrator\Downloads\Todo-List>
>> git init
>> git add .
>> git commit -m "first commit"
>> git branch -M main
>> git remote add origin https://github.com/pratheek08/DevOps-Beginner-Project-2.git
>> git push -u origin main
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS                                    powershell

PS C:\Users\Administrator\Downloads\Todo-List>
>> git init
>> git add .
>> git commit -m "first commit"
>> git branch -M main
>> git remote add origin https://github.com/pratheek08/DevOps-Beginner-Project-2.git
>> git push -u origin main
Reinitialized existing Git repository in C:/Users/Administrator/Downloads/Todo-List/.git/
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'styles.css', LF will be replaced by CRLF the next time Git touches it
[main (root-commit) 22d7fec] first commit
 3 files changed, 330 insertions(+)
 create mode 100644 index.html
 create mode 100644 script.js
 create mode 100644 styles.css
error: remote origin already exists.
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 2.68 KiB | 1.34 MiB/s, done.
Writing objects: 100% (5/5), 2.68 KiB | 1.34 MiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/pratheek08/DevOps-Beginner-Project-2.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\Administrator\Downloads\Todo-List> git status
PS C:\Users\Administrator\Downloads\Todo-List> git status
On branch main
Your branch is up to date with 'origin/main'.

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```

Step 4 - Creating branches

```
PS C:\Users\Administrator\Downloads\Todo-List> git branch html
PS C:\Users\Administrator\Downloads\Todo-List> git branch css
PS C:\Users\Administrator\Downloads\Todo-List> git bracnh

The most similar command is
        branch
PS C:\Users\Administrator\Downloads\Todo-List> git branch
  html
  js
* main
```

Step 5 - Create a new file index.html to add task functionality and add new branch naming html. Commit the changes and merge it.

```
PS C:\Users\Administrator\Downloads\Todo-List> git checkout html
M       script.js
M       styles.css
Switched to branch 'html'
PS C:\Users\Administrator\Downloads\Todo-List> git add index.html
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\Administrator\Downloads\Todo-List> git commit -m "branch change for html file"
[html f70f984] branch change for html file
 1 file changed, 2 insertions(+), 1 deletion(-)
PS C:\Users\Administrator\Downloads\Todo-List> git branch main
fatal: a branch named 'main' already exists
M       script.js
M       styles.css
Switched to branch 'main'
PS C:\Users\Administrator\Downloads\Todo-List> git merge html
Fast-forward
 index.html | 3 ++-
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), 369 bytes | 369.00 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/pratheek08/DevOps-Beginner-Project-2.git
   22d7fec..f70f984  main -> main
branch 'main' set up to track 'origin/main'.
```

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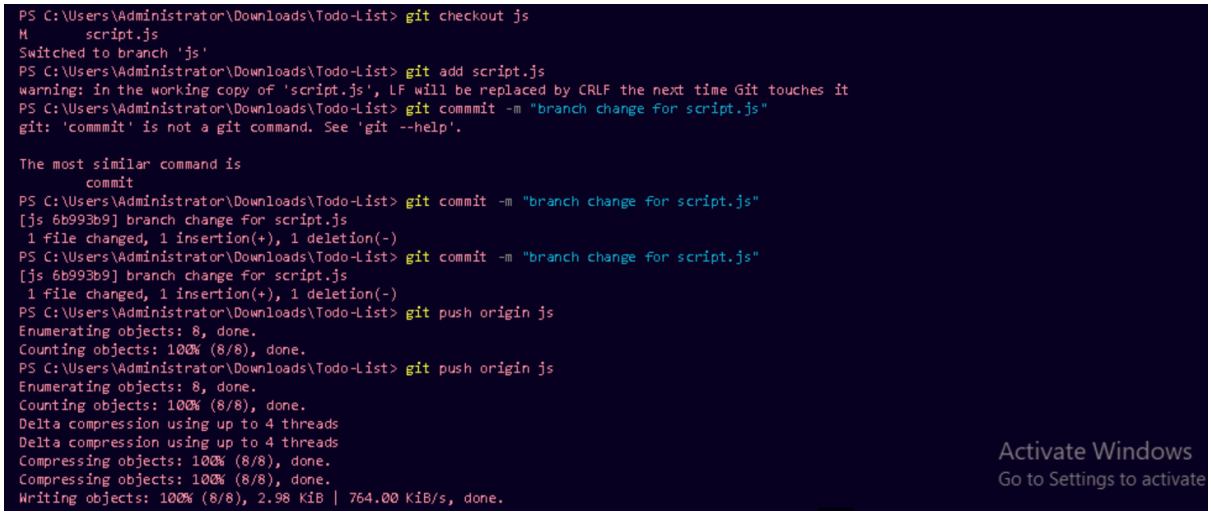
Step 6 – Repeat step 5 for other 2 branches

```
PS C:\Users\Administrator\Downloads\Todo-List> git checkout css
M       script.js
M       styles.css
PS C:\Users\Administrator\Downloads\Todo-List> git add styles.css
warning: in the working copy of 'styles.css', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\Administrator\Downloads\Todo-List> git commit -m "CSS file branch change"
[css 4499922] CSS file branch change
PS C:\Users\Administrator\Downloads\Todo-List>
PS C:\Users\Administrator\Downloads\Todo-List> git push origin css
Counting objects: 100% (5/5), done.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 310 bytes | 310.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote: Create a pull request for 'css' on GitHub by visiting:
remote:      https://github.com/pratheek08/DevOps-Beginner-Project-2/pull/new/css
To https://github.com/pratheek08/DevOps-Beginner-Project-2.git
 * [new branch]      css -> css
PS C:\Users\Administrator\Downloads\Todo-List> git branch
* css
  html
  js
  main
```


PS C:\Users\Administrator\Downloads\Todo-List> git checkout js
M   script.js
Switched to branch 'js'
PS C:\Users\Administrator\Downloads\Todo-List> git add script.js
warning: in the working copy of 'script.js', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\Administrator\Downloads\Todo-List> git commmit -m "branch change for script.js"
git: 'commmit' is not a git command. See 'git --help'.
The most similar command is
commit
PS C:\Users\Administrator\Downloads\Todo-List> git commit -m "branch change for script.js"
[js 6b993b9] branch change for script.js
1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\Administrator\Downloads\Todo-List> git commit -m "branch change for script.js"
[js 6b993b9] branch change for script.js
1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\Administrator\Downloads\Todo-List> git push origin js
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
PS C:\Users\Administrator\Downloads\Todo-List> git push origin js
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Delta compression using up to 4 threads
Compressing objects: 100% (8/8), done.
Compressing objects: 100% (8/8), done.
Writing objects: 100% (8/8), 2.98 KiB | 764.00 KiB/s, done.
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