**Programming Exercise**

**Questions**

1. **What commands/options did you use to get the index.html file from the dev1 branch to the main branch?**

After using git add, git commit, and git push to commit and push the changes, I went to GitHub, opened a pull request from dev1 to main, and finished the merging process to move the index.html file from the dev1 branch to the main branch. This automatically updated the main branch and triggered the CI/CD deployment through GitHub Actions.

1. **How long did the Build and Deploy take?**

The build and deployment took around 30 to 50 seconds, based on the timing shown in the GitHub Actions logs. Once the main branch was updated, Azure Static Web Apps detected the change and ran the deployment process automatically. The quick turnaround shows how efficient and seamless deployments can be when using GitHub Actions integrated with Azure for static site hosting.

1. **What is displayed when you click on the ‘Click Me!’ button**

Clicking the “Click Me!” button on the live webpage displays the message “Hello World!” just below it. This works because the button uses an onclick event that changes the content of a <div> element with the ID output. It shows that the HTML and JavaScript were properly rendered and that the deployed Azure Static Web App functions as expected.