



BLOXICO SOFTWARE SOLUTIONS

Month I:

Monthly Goals:

- Get familiar with Linux and its basic operations.
- Get familiar with GitHub and basic operations.
- Get familiar with containerization.

Week 2:

1. Get familiar with Linux user permissions and file ownership.
2. Write a bash script that:
 - Creates a new file in “/tmp” called: “week_2_file”.
 - Changes the file’s permissions to 666.
 - Changes the file’s owner to “root”.
 - Prints the file’s permissions and ownership.
 - Prints the size of the current directory.
 - Prints the amount of free space on all disks.
3. Perform the following GitHub flow:
 - Push the script to a new branch in the remote repository called “week_2”.
 - Create a Pull Request from the “week_2” branch into the master branch.
 - Add *AbominableSnowman730* as a reviewer.
 - Wait for an approval from the reviewer.
 - Merge the PR upon approval.
4. Get to know GitHub Actions: <https://docs.github.com/en/actions>
5. Create a GitHub Action that:
 - Runs the following command: ``echo "Hello GitHub Actions!"``
 - Triggers on every push to the repository.
6. Continue reading up on Linux, Docker and GitHub.

Note: We will keep using the same repository that you’ve been using in the first week.

Optional reading and watching materials:

- Keep reading on [Linux](#).
- There’s a great book on Amazon - [Linux Bible](#).
- Familiarize yourself with containerization and [Docker](#).
- There’s a really detailed course on Git on Udemy - [The Complete Git Guide](#).