



# BLOXICO SOFTWARE SOLUTIONS

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## Month I:

### Monthly Goals:

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

### Week 1:

1. Install a Linux distro, get familiar with how it works, and learn the basic commands. Get comfortable with:
  - Finding *man(ual)* pages of different CLI commands.
  - Listing file contents.
  - Traversing directories.
  - Listing the name of the current working directory.
  - Creating new directories.
  - Printing a file's contents.
  - Paging through a file's contents.
  - Finding strings inside a directory with.
  - Finding files and directories with *find*.
2. Write a bash script that:
  - Changes the current directory (e.g. to /tmp).
  - Prints out the directory's contents.
  - Lists the overall size of the current directory.
  - Creates a new directory (inside the current directory) called "week\_1".
  - Creates a file inside called "new\_file".
  - Writes the following text to "new\_file": "I'm on week 1!".

*Note: The entire flow should be accomplished strictly through the bash script!*

3. Perform the following GitHub flow:
  - Create a new GitHub repo, with README.md initialized on repository creation.
  - Grant read permissions to the repository to: *AbominableSnowman730*.
4. Read up on Linux and GitHub.

### 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 Udemy - [The Complete Git Guide](#).