Configure Editor

```
git config --global core.editor "'C:\Program Files (x86)\Microsoft VS Code\code.exe' -w"
```

- Due to deep and long path names on Windows I recommend using c:\dev as the location for code
- In **git bash** windows directory c:/dev is formatted as /c/dev (linux path format)
- Lines with ➢ are commands to be entered

Clone Project Repository

- ➢ mkdir /c/dev
- ➢ cd /dev
- ➢ mkdir git-workshop && cd mkdir git-workshop
- ➢ git clone https://github.com/codenorman/git-workshop.git .

In bash && lets you chain commands. It will run the command after && if the prior command succeeds.

Switch to development branch

- ➢ git checkout development
  This will switch to the development branch

Create a github issue

- ➢ Goto the project page
- ➢ Click on the Issues tab
- ➢ Click new issue
- ➢ Add an issue to create your personal page i.e. Page for firstname lastname
- ➢ Assign yourself (see **assignees** on right)

Start by Creating a personal page

Change directory to src

- ➢ cd src

Make a new branch

- ➢ git checkout -b <initials-page>

  View branchs

- ➢ git branch

  Displays a list of branches

copy the _template.html file

- ➢ cp _template.html <firstname-lastname.html>
- ➢ Open the file in editor
- ➢ Modify the ___ areas and save the file

Commit the change to git repository

- ➢ git status

  Displays the current state. The file <firstname-lastname.html> is listed **untracked**.

- git add <firstname-lastname.html>
- git status

Shows that file was staged for commit

- git commit -m "created personal page"

-m param allows entering of a comment on the command line. Comments starts and ends with a " and can span multiple lines"

Switching Branches

- git checkout development
- ls -l
  Notice that the file you created is no longer there
- git checkout <your branch>
  Notice that the file you created is back. If multiple developers were working on files, the version of the file would change as well.
  Git branches allow you to switch to a different state of the project. A branch allows one to keep related changes until the feature or bug is complete and ready to merge with other features.

Add Personal page to index.html

Edit the index.html page and add the following.

- `<a href="<firstname-lastname>.html">` <Your Name> `</a>`
- git status

  Status shows that index.html is tracked, but has changes that are not staged for commit

- git add index.html
   This will add the changes to the staged commits
- git commit -m "update index.html with personal page"
- git status

  Status shows everything is up to date

Push changes to Github

Before you can push your changes you must merge any change that have occurred by others

- git fetch –all
  this retrieves all new branches and changed branches since last fetch
- git merge origin/development
- resolve any conflicts
  conflicts are where changes occurred in the same file and git can't determine which changes to keep automatically
- git push origin <branch name>

Create Pull Request

- Log into github
- go to the project page https://github.com/codenorman/git-workshop
- click the **New Pull Request** button
- For Base Branch select development
- For compare branch select your banch
- Create Pull Request