Practical after completing the git workshop

# Create a new C# Windows Forms Application

One of the team members uses Visual Studio to create a new project.

Create a button for each team member using the member’s name.

# Initialize a git repository

One of the team members creates a new git repository for the project.

# Clone git repository

All other members clone the repository.

# Add feature

Each team member will work on a feature. Each feature will contain the following:

* Create a form that introduces you (your name and a short bio).
* On the form you created, ask the user for a number “n”.
* Create a class with a method for:
  + Generating “n” random numbers.
  + Each team member should calculate a unique statistical function on the list (e.g. Max, Min, Mean, Median, GCD, Standard Deviation, etc…).
* Use the method in your form to give the result to the user using a Message Box.

# Create release

Start preparing to release a version of your software. Fix the following issues:

* One of the team members should create a class with a method to test if the number “n” is between 5 and 20.
* All team members should use this method in their form for validation before applying their statistical method.
* All team members should move their statistical method to a common class called “stat”.

# Do hotfix

“We forgot that n has to be an integer”… derp.

Each team member should:

* Fix your statistical method to throw an exception if the number n is not an integer.
* Catch the exception in the form and display an appropriate message.