

## Programming Assignment 1

### Task 1

Create your GitHub repository, add a file to the repository, and add **Jonathan-Skeete** as a collaborator by following the instructions below.

1. Go to "github.com".
2. Create an account or sign in to your existing account.
3. Once on the Dashboard page, click on the green button labeled "**New**" to create a new repository.
4. On the New Repository page, name your repository "**CS260**" and make it private. Afterward, click the green button labeled "**Create repository**".
5. On your Repository page, click the "**create a new file**" link at the bottom of the blue box.
6. On the new page, type "**info.txt**" in the textbox with the content "**Name your file...**". Afterward, write your name and email address each on a separate line in the main textbox. Last, click on the green button labeled "**Commit changes...**" and complete any additional prompts.
7. Back on your Repository page, select the option **Settings** from the top menu.
8. On the new page, select the option **Collaborators** under the **Access** tab from the side menu; and then, click on the green button labeled "**Add people**" in the box titled "**Manage access**".
9. Find **Jonathan-Skeete** in the search bar of the new window, and then, click the green button.

### Task 2

Create a cpp file named "main.cpp" that defines two functions:

#### Function 1

- An int function named toDecimal() that takes a constant string reference parameter and an int parameter
- The string parameter represents either a binary, octal, or hexadecimal number.
- The base of the number is represented by the int parameter.
- Return the decimal representation of the string number as an integer.

#### Function 2

- A string function named toBase() that takes two int parameters.
- The first paramant represents a decimal number that should be converted to the base number representation of the second int parameter.
- The function should return a string.