LAB 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 **"CS246"** 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:

- A boolean function named isBinary() that takes a constant string reference parameter. If the parameter only contains 0s and 1s, the function should return true. Otherwise, the function returns false.

Example:
isBinary("00001010") returns true.
isBinary("0123ABCD") return false.

Task 3

Create a header file named "Square.h" that defines a class named Square.

The class should contain:

- A private double field named side.
- A public default constructor that assigns 1 to side.
- A public copy constructor.
- A public assignment operator.
- A public destructor that displays the message "Square Biz"
- A public double constant method named getSide() that takes no parameters and returns side.
- A public void method named setSide() that takes a double parameter and assigns the parameter to side only if the parameter is positive.