Homework#7

Implement Hash Set

Objective:

You will implement a data structure that implements Collection <- Set Abstractions while practicing incremental commits with Git. Each time you complete a step, you must use git add, git commit with appropriate commit messages, and git push to save your work on your local and remote repository.

Steps and Instructions

Inside the **cse274** folder (your local repository) create a new project called **homework7 (all lowercase, no space, no underscore, no dash)**.
Here is a video that shows you how you can create a project on VS Code:
https://youtu.be/CK3C4KXVXdk

Completing SinglyLinkedList class

You are to implement the entire **HashSet.java** file. Please download the **Collection.java**, **Set.java** from canvas, add them under the src folder in your project. Create a new class called **HashSet** which should implement the **Set** ADT.

⇒ Remember: The goal in OOP is to reuse the code that you already have. So if you want to do something and already have a method that does that for you, **USE IT!**

Test your classes

Download **HashSetTest.java** to test your **HashSet.java**.

If you don't know how to run a JUnit test in VS Code, here is a video that shows how to do it: https://youtu.be/PZC5slRkyuc

Submission on GIT

You will be submitting the **'Clone with HTTPS'** link of the **homework7** folder on canvas. The following files Must be in your GitLab in order to get full points:

1. **HashSet.java**

Rubric

Description	Points
The **homework7** folder is added inside the **cse274** folder, and all files are directly inside the **src** folder, with no extra packages	4
The **HashSet.java** passed all tests of the JUnit tester	13
The file is clean, formatted and follows all the style guides	3
Total	20