Recitation Exercise: Generics

Go back to Recitation 2's Code, and you will recollect that we wrote a Stack class with a fixed integer array. Now, your objective is to rewrite the same Stack class with a Generic ArrayList and make the entire class support using Generic types.

You should be able to create a Stack of any primitive wrapper class, and show us that your Generic Stack implementation (push, pop, search, display, etc.) works with:

- Character (Stack<Character>)
- Integer (Stack<Integer>)
- Float (Stack<Float>
- Double (Stack<Double>)
- String (Stack<String>)

You can create these Stack objects in main() and perform operations on them to show that they work as intended. Please make sure you submit the entire Eclipse Project as a zip file (export project from Eclipse/zip the project directory)

Optional Recommended Reading/Tutorial on Generics and Advanced Generics by Oracle:
https://docs.oracle.com/javase/tutorial/java/generics/index.html
(No submission required for optional material, just read it to understand more about Generic Types on the whole)