1. (5 points) **Class Vec**

Here is a checklist for helping you complete the class Vec library code:

- Start from the sample code at: [https://replit.com/@Cong_Chen/20230223](https://replit.com/@Cong_Chen/20230223)
- Change `struct` to `class`
- Make all the members `private`
- Add `get_size`, `get_capacity` and `get_array` methods
- Add `remove`, `index_of` and `operator+` methods
- Add `operator<` method, and together with other five (`>`, `>=`, `<`, `<=`, `!=`)
- Complete and debug all the other methods in the sample code, such as `insert`
- Write some testing code in the `main` function
- You can rename any class/members/methods/variables to meet your coding style
- Post your code at: [https://replit.com/@Your_ID/CSC-326](https://replit.com/@Your_ID/CSC-326); Provide your replit ID if you haven't
- Due Date: 3/6/2023