Practice 06

Operator overloading, friends, initializer list, const methods, constructor with default parameters

- 1. Implement class Virus that has a name (*char**), severity (*real number*) and a constructor to create a virus with a given name and severity. *Use exact memory for the name*. Overload operators <, <=, > and >= for the class, using its severity to compare.
- 2. For the class Vector from the previous week use the class Virus as the array element and overload the following operators:
 - a. += given an element to add it to the back of the vector
 - b. += given another vector to add all the elements from the other vector
 - c. << to print all the elements of the vector
 - d. [] to act as the operator [] for arrays

Add a sort method to sort the viruses based on their severity.

- 3. Implement class Person with age, name (*max 63 characters*), copy constructor, operator= and a Vector of viruses to indicate which viruses have infected him.
 - Method infect(const Virus&) to add a virus to the vector. If there is already a virus with that name, just add severities instead of adding a new element in the array.