Exercise 1 (OOP C++)

1- Create a Complex class with the following operation
   add
   sub
   multiply
   divide
   Print
   - As member function
   - As general function

2- Create a Point class with the following operation
   add
   sub
   Print
   - As member function
   - As general function

3- Implement a string class with dynamic string and size data member and prove that Shallow Copy will not work correctly – so correct it by implement deep copy

4- one common and good use of a friend function occurs when two different types of classes have some quantity in common that needs to be compared. create two classes Car – Truck with common private data member "speed" then create a function to compare the speed and get difference between them
   a. as general function
   b. as member function in one of this two classes