Prefix and Postfix Operators Exercises

Prefix and Postfix Operators

- Describe the functioning of the prefix ++ operator and the postfix ++ operator

++ Operators and Arrays

- If p is a pointer to an element in an array, what happens when p is incremented?

Postfix ++ Operator

- Imagine p is a pointer to the first element in an array

- Explain what this code does

```
cout << *p++ << endl;
```

Postfix ++ Operator and Loops

- What is the difference between these two ways of writing a loop?

    for (int i = 0; i < 4; ++i) { ... }

    for (int i = 0; i < 4; i++) { ... }

Prefix and Postfix Operators

- What are the prototypes of the prefix and postfix ++ operators?
  - Test& Test::operator ++();   // Prefix
  - Test Test::operator ++(int t);   // Postfix

Basic Complex Number Class

- Write a definition of a simple class that implements both forms of the ++ and -- operators

- Write a program to test your operators and check that they give the correct answers