Equality and Inequality Operators Solutions

Equality Operator Summary

- What is the prototype of the equality operator?

  bool operator ==(const T& lhs, const T& rhs);   // Equality operator for type T

- How is it invoked?

  - Whenever we write a statement such as

    a == b;

  - The compiler will generate code which calls the operator with the appropriate argument

  - The operator is a non-member function, so it will be called as

    operator ==(a, b);

Inequality Operator Summary

- What is the prototype of the inequality operator?

    bool operator !=(const T& lhs, const T& rhs);   // Inequality operator for type T

- How is it invoked?

    - Whenever we write a statement such as

        a != b;

    - The compiler will generate code which calls the operator with the appropriate argument

    - The operator is a non-member function, so it will be called as

        operator !=(a, b);

Equality and Inequality Operators

- Write a simple class which has equality and inequality operators
- Write a program to test your class