Templates
(Winter 2015)

Write a simple function template for predicate function isEqualTo that compares its two arguments of the same type with the equality operator (==) and returns true if they are equal and false if they are not equal. Use this function template in a program that calls isEqualTo only with a variety of built-in types such as int, double, and char.

We also want this function to compare two complex numbers. In order to do that, develop a user-defined class type (called class Complex) that implements a complex number (object) with two private attributes real (real part of the complex number) and imaginary (imaginary part of the complex number). Then in your program, try to call the isEqualTo to compare two complex objects.

Hint: in the class Complex, you need to declare an overloaded equality operator below.

```
bool operator==( const Complex &number ) const
{
   return ….;
}
```