

Homework 17, ISTA-220

Chapter 17, C# Step by Step

July 28, 2018

1 Homework

1.1 Readings

Read chapter 17, pages 369 – 398 in the *C# Step by Step* book.

1.2 Discussion Questions

Answer the discussion questions in writing.

1. What is a type parameter?
2. What does a type parameter do?
3. How many type parameters can a generic class have?
4. What is the difference between a generic class and a generalized class?
5. What is a constraint? How do you specify a constraint?
6. What is a generic method? How do you define a generic method?
7. What do we mean when we say that a generic type interface is *invariant*?
8. What do we mean when we say that a generic type interface is *covariant*?
9. Does covariance work with value types? Does it work with reference types?
10. What do we mean when we say that a generic type interface is *contravariant*?