C# Programming Homework 09

Chapter 09, C# Step by Step

Readings

Read chapter 9 in the *C# Step by Step* book.

Discussion Questions

Answer the discussion questions in writing.

1. What is an *enum*?

2. Declare an enum for military ranks, either officer or enlisted. Name it Ranks. What are the symbols, like Private, Corporal, Sergeant or Lieutenant, Captain, Major?

3. Using the Ranks enum, assign a rank to yourself and a friend.

4. Determine the numeric index of particular ranks, using the Ranks enum.

5. How do you select the type of an enum?

6. What is a *struct*?

7. List some differences between classes and structs.

8. Are structs stored on the stack or on the heap? What about enums?

9. Review the documentation for the C# `System.Int32` struct. List the fields. List the methods.

10. Declare a struct named DOD with four branches.

11. Why can't you create a default constructor for a struct?

12. What is CIL? What does the CLR do to the CIL?