Java Programming

8-2: Java Class File

Practice Activities

Lesson Objectives:

- Understand the class file structure
- Identify the Access field
- Identify the Method structure and bytecode
- Method Info: Code_attribute
- Code Attribute: LineNumberTable_attribute
- Class Attribute: SourceFile_attribute

Vocabulary:

Identify the vocabulary word for each definition below.

	Contains one Java type, either a class or an interface
	A table structure in a java class representing various constants
	A table in a Class file that describes the method in the class or inter-face

Try It/Solve It:

<u>JDB</u>

1. Write the following program.

    public class EmptyCode{

            int test=100;

    }

2. Compile the EmptyCode class.

3. Specify the number of constant pool entries in the EmptyCode class file.

4. Determine how many field definitions are in the EmptyCode class file.

5. Determine many method definitions are in the EmptyCode class file.

6. What is the constructor name for the EmptyCode class?

7. What is the bytecode for the super() statement in the EmptyCode class?