**Chapter 11**

**Knowledge Goals**

* To understand how Java Exceptions are generated.
* To understand how to intercept and handle an Exception.
* To understand how to intercept and handle multiple Exceptions.
* To learn how to create a user-defined exception.
* To learn how to read a text file.
* To understand the difference between writing and appending to a file.
* To learn how to parse a String into tokens using the Scanner class.
* To learn how to read a structured text file.
* To understand how objects are written to a file and how to read a file containing objects.

**Skill Goals**

*To be able to:*

* Distinguish between checked and unchecked exceptions.
* Use try/catch blocks to intercept and handle multiple exceptions.
* Call methods of the Exception class to report the cause of an Exception
* Write a user-defined exception that inherits from a predefined exception.
* Use classes in the Java Class Library for file input and output.
* Read a text file using Scanner with try/catch blocks.
* Write data to a text file.
* Append data to a text file.
* Use Scanner to parse a String.
* Write a set of objects to a file.
* Read a file containing objects.