Java Programming

9-2: ClassLoader

Practice Activities

Lesson Objectives:

- The Class Loading Overview
- ClassLoader loading procedure
- JDK ClassLoader Class
- ClassLoader Hierarchy
- Custom ClassLoader
- Class Linking

Vocabulary:

Identify the vocabulary word for each definition below

	The ClassLoader that loads classes from the core Java libraries
	The ClassLoader that loads classes from the JAR files located in the extensions directories
	The ClassLoader that loads the application class, which can come from a directory or JAR file on the class path

Try It/Solve It:

Write a program to use the ClassLoader to load the Loaded Class and instantiate the Loaded Class instance.

Given the following class that will be loaded by the custom class loader:

```
public class HelloClass{
static{
        System.out.println("HelloClass has been initialized");
}

public void sayHello(){
System.out.println("Hello Class Loader");
}
    }
```

1. Write a MyclassLoader that inherits the abstract ClassLoader class to override the findClass method, and that will load the HelloClass from the specified Path

2. Write a TestClassLoader program to load the HelloClass

3. Modify the TestClassLoader to load the class twice, and check the output to observe two HelloClass to be loaded and initialized