Comprehension Exercise: Hello Jar File

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Objectives

- Gain familiarity in working with packages.
- Gain familiarity with the jar (Java archive) utility.

Instructions

Create a Java source code file for the application named **csc143.ce_jar.Hello**. This is a simple class with one method, main, which prints out the class K&R greeting, "Hello World" at standard output, that is, System.out.

Notice this class is in a named package. This entails a particular folder structure around the file. Create the appropriate folders and place the source code file accordingly.

The command-line command would be:

```
java csc143.ce_jar.Hello
```

When run, it will generation the following output in the command window:

```
Hello World
```

The code within this class should be extremely familiar.

Save the source code (.java) and bytecode (.class) files into a jar file which preserves the required folder structure. Name the archive file, **Hello.jar**.

The application can now be run by typing:

```
java -cp Hello.jar csc143.ce_jar.Hello
```

Add an entry point do the archive file.

The application can now be run by typing:

```
java -jar Hello.jar
```

Submit

One (1) Java archive file (.jar)

Grading Rubric

Minus:
 - The archive contains both the source code (.java) and bytecode (.class) files for the Hello application.
 - Contents of the source code file are correct: package declaration, class name, etc.

Check:
- The archive maintains the correct folder structure.

Plus:
- The archive can be run as an application.

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