

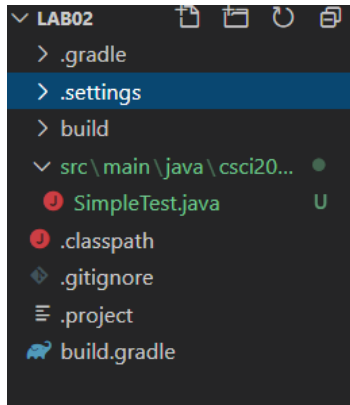
Lab02

Shayne Lewis

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Part1

Local Repository



Remote Repository (GitHub)

master	csci2020u_shaynelewis / lab02 /	Go to file	Add file	...
shayne-lewis Changed directory organization c1a5c4 23 seconds ago History				
..				
└─ .gradle	Part 1 of lab02 with simple java program and gradle setup	18 minutes ago		
└─ .settings	Part 1 of lab02 with simple java program and gradle setup	18 minutes ago		
└─ build	Part 1 of lab02 with simple java program and gradle setup	18 minutes ago		
└─ src/main/java/csci2020u/lab02	Changed directory organization	23 seconds ago		
└─ .classpath	Part 1 of lab02 with simple java program and gradle setup	18 minutes ago		
└─ .gitignore	Part 1 of lab02 with simple java program and gradle setup	18 minutes ago		
└─ .project	Part 1 of lab02 with simple java program and gradle setup	18 minutes ago		
└─ build.gradle	Part 1 of lab02 with simple java program and gradle setup	18 minutes ago		

Simple Test Program

```
lab02 > main > csci2020u > lab02 > SimpleTest.java > HelloWorld
1  package csci2020u.lab02;
2
3  public class HelloWorld
4  {
5      Run | Debug
6      public static void main(String[] args)
7      {
8          System.out.println("Hello World");
9      }
10 }
```

Build.gradle File

```
lab02 > build.gradle
1  apply plugin: 'java'
2  apply plugin: 'application'
3  mainClassName = 'csci2020u.lab02.SimpleTest'
```

Successful Build

```
shayn@MSI MINGW64 /d/School/csci2020u/lab02 (master)
$ gradle build

BUILD SUCCESSFUL in 612ms
4 actionable tasks: 4 up-to-date
```

Program Output

```
shayn@MSI MINGW64 /d/School/csci2020u/lab02/main/csci2020u/lab02 (master)
$ java SimpleTest.java
Hello World
```

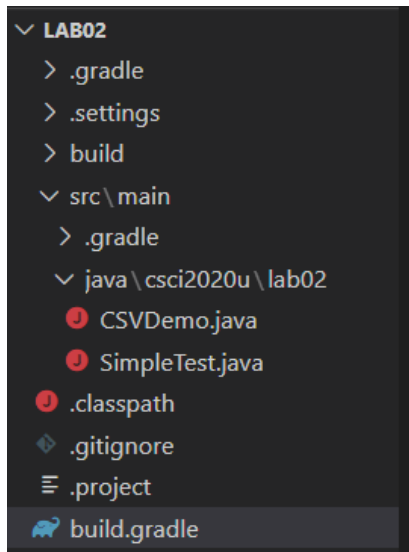
```
shayn@MSI MINGW64 /d/School/csci2020u/lab02 (master)
$ gradle run

> Task :run
Hello World

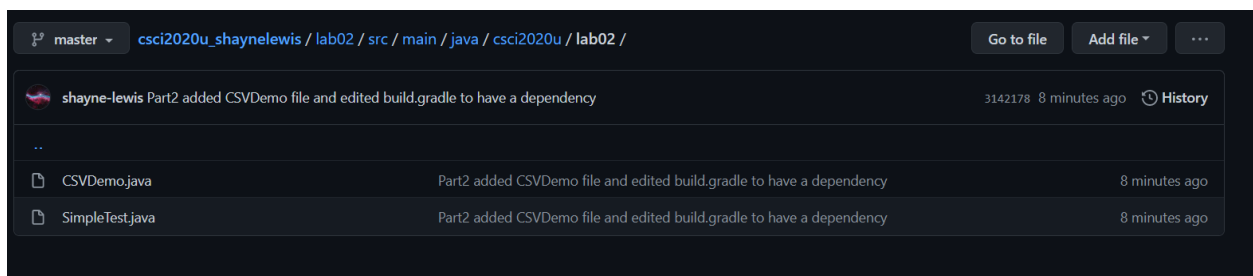
BUILD SUCCESSFUL in 689ms
2 actionable tasks: 1 executed, 1 up-to-date
```

Part2

Local Repository



Remote Repository



CSVDemo Java File

```
src > main > java > csci2020u > lab02 > CSVDemo.java > CSVDemo
1  package csci2020u.lab02;
2  import java.io.*;
3  import org.apache.commons.csv.*;
4
5  public class CSVDemo {
6
7      public static void main (String[] args)
8      {
9          try
10         {
11             Reader in = new FileReader("data.csv");
12             Iterable<CSVRecord> records =
13             CSVFormat.DEFAULT.withHeader("First Name", "Last Name", "SID","Grade").parse(in);
14             for (CSVRecord record: records)
15             {
16                 String lastName = record.get("Last Name");
17                 String firstName = record.get("First Name");
18                 String grade = record.get("Grade");
19                 System.out.println(firstName + " " + lastName + " (" + grade + ")");
20             }
21         }
22         catch (IOException e)
23         {
24             e.printStackTrace();
25         }
26     }
27 }
```

Build.gradle File

```
build.gradle
1  apply plugin: 'java'
2  apply plugin: 'application'
3  mainClassName = 'csci2020u.lab02.SimpleTest'
4
5  repositories {
6      mavenCentral()
7  }
8
9  dependencies {
10     implementation 'com.guicedee.services:commons-csv:1.1.0.7-jre15'
11 }
12
```

Gradle Classes Command

```
shayn@MSI MINGW64 /d/School/csci2020u/lab02 (master)
$ gradle classes

BUILD SUCCESSFUL in 721ms
1 actionable task: 1 executed
```

Link to my repository if needed: https://github.com/shayne-lewis/csci2020u_shaynelewis