semilore@semilore-HP-Pavilion-Notebo

File Edit View Search Terminal Help
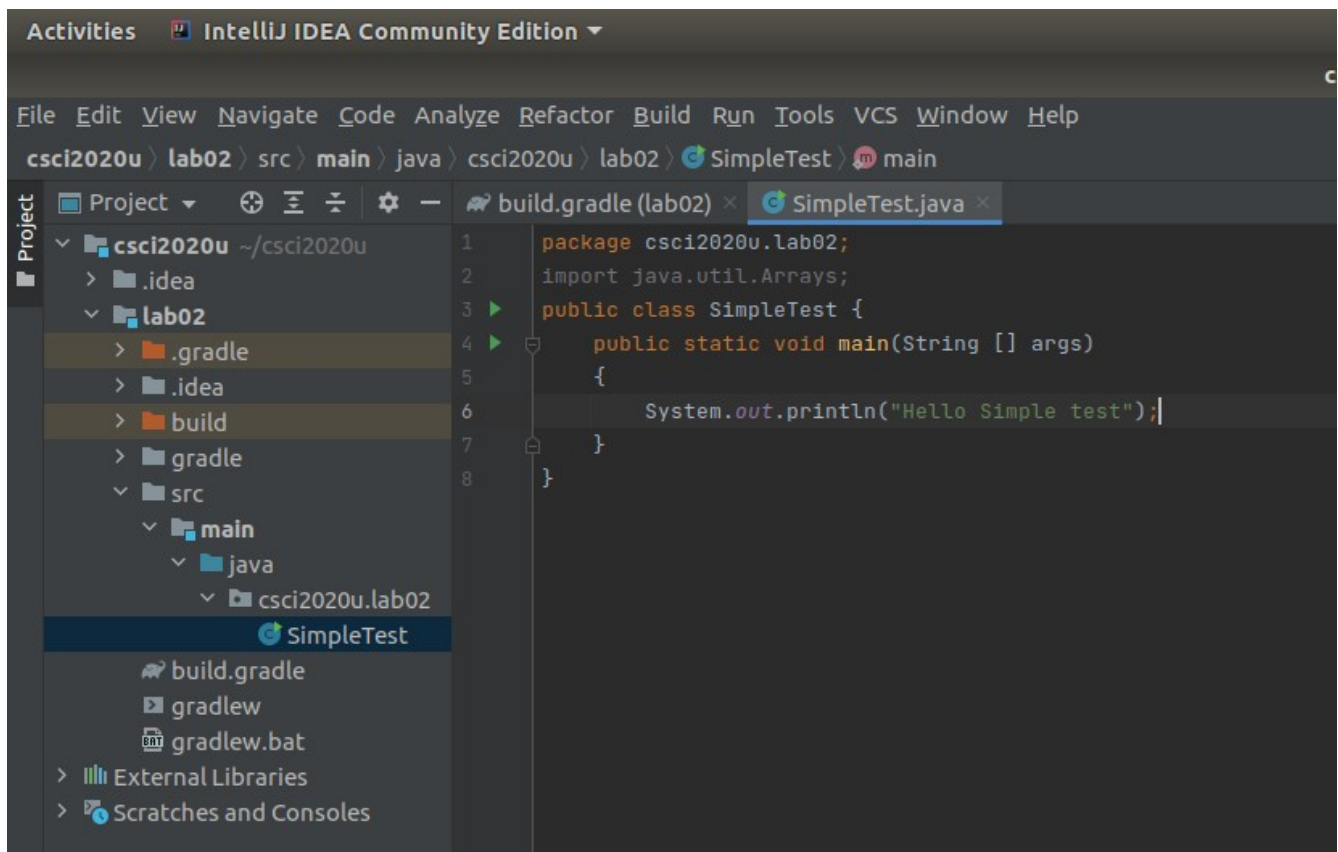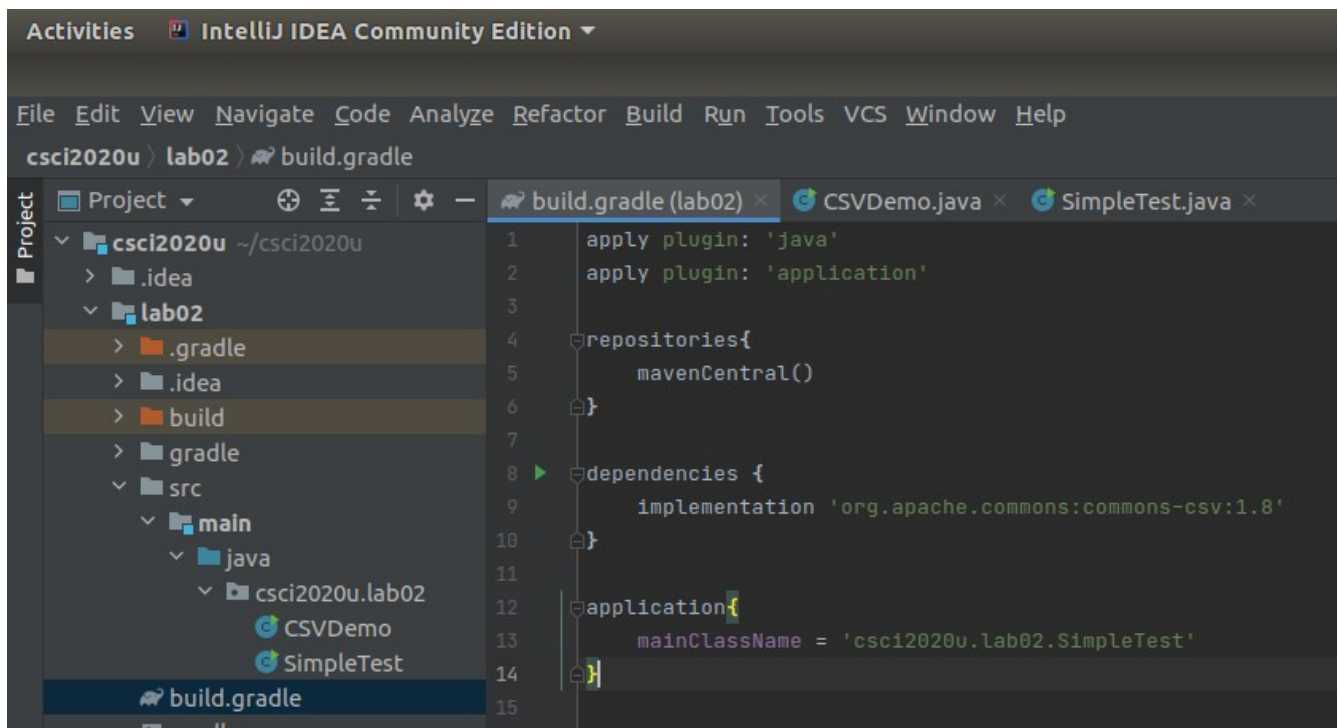
```
semilore@semilore-HP-Pavilion-Notebook:~$ cd Documents
semilore@semilore-HP-Pavilion-Notebook:~/Documents$ cd CompuSci/
semilore@semilore-HP-Pavilion-Notebook:~/Documents/CompuSci$ mkdir csci2020u
semilore@semilore-HP-Pavilion-Notebook:~/Documents/CompuSci$ cd csci2020u/
semilore@semilore-HP-Pavilion-Notebook:~/Documents/CompuSci/csci2020u$ mkdir lab02
semilore@semilore-HP-Pavilion-Notebook:~/Documents/CompuSci/csci2020u/lab02$ touch build.gradle
semilore@semilore-HP-Pavilion-Notebook:~/Documents/CompuSci/csci2020u/lab02$ mkdir src
semilore@semilore-HP-Pavilion-Notebook:~/Documents/CompuSci/csci2020u/lab02$ cd src
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u/lab02/src$ mkdir java
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u/lab02/src$ cd java
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u/lab02/src/java$ mkdir csci2020u
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u/lab02/src/java$ cd csci2020u/
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u/lab02/src/java/csci2020u$ mkdir lab02
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u/lab02/src/java/csci2020u/lab02$ # 1-3
```

```
P-Pavilion-Notebook:~/Documents/csci2020u/lab02/src/java/csci2020u/lab02$ touch SimpleTest.java
```

File   Edit   View   Navigate   Code   Analyze   Refactor   Build   Run   Tools   VCS   Window   Help

csci2020u ⟩ lab02 ⟩ build.gradle

Project ▾   build.gradle (lab02) ✕   CSVDemo.java ✕   SimpleTest.java ✕

Project tree:
- csci2020u ~/csci2020u
  - .idea
  - lab02
    - .gradle
    - .idea
    - build
    - gradle
    - src
      - main
        - java
          - csci2020u.lab02
            - CSVDemo
            - SimpleTest
    - build.gradle
    - gradlew

```
1   apply plugin: 'java'
2   apply plugin: 'application'
3
4   repositories{
5       mavenCentral()
6   }
7
8   dependencies {
9       implementation 'org.apache.commons:commons-csv:1.8'
10  }
11
12  application{
13      mainClassName = 'csci2020u.lab02.SimpleTest'
14  }
15
```

File   Edit   View   Navigate   Code   Analyze   Refactor   Build   Run   Tools   VCS   Window   Help

csci2020u ⟩ lab02 ⟩ src ⟩ main ⟩ java ⟩ csci2020u ⟩ lab02 ⟩ SimpleTest ⟩ main

Project ▾   build.gradle (lab02) ✕   SimpleTest.java ✕

Project tree:
- csci2020u ~/csci2020u
  - .idea
  - lab02
    - .gradle
    - .idea
    - build
    - gradle
    - src
      - main
        - java
          - csci2020u.lab02
            - SimpleTest
    - build.gradle
    - gradlew
    - gradlew.bat
  - External Libraries
  - Scratches and Consoles

```
1   package csci2020u.lab02;
2   import java.util.Arrays;
3   public class SimpleTest {
4       public static void main(String [] args)
5       {
6           System.out.println("Hello Simple test");
7       }
8   }
```

File Edit View Search Terminal Help

```
semilore@semilore-HP-Pavilion-Notebook:~/csci2020u/lab02$ gradle test

BUILD SUCCESSFUL in 7s
1 actionable task: 1 executed
semilore@semilore-HP-Pavilion-Notebook:~/csci2020u/lab02$ gradle run

> Task :run
Hello Simple test

BUILD SUCCESSFUL in 887ms
2 actionable tasks: 1 executed, 1 up-to-date
semilore@semilore-HP-Pavilion-Notebook:~/csci2020u/lab02$
```
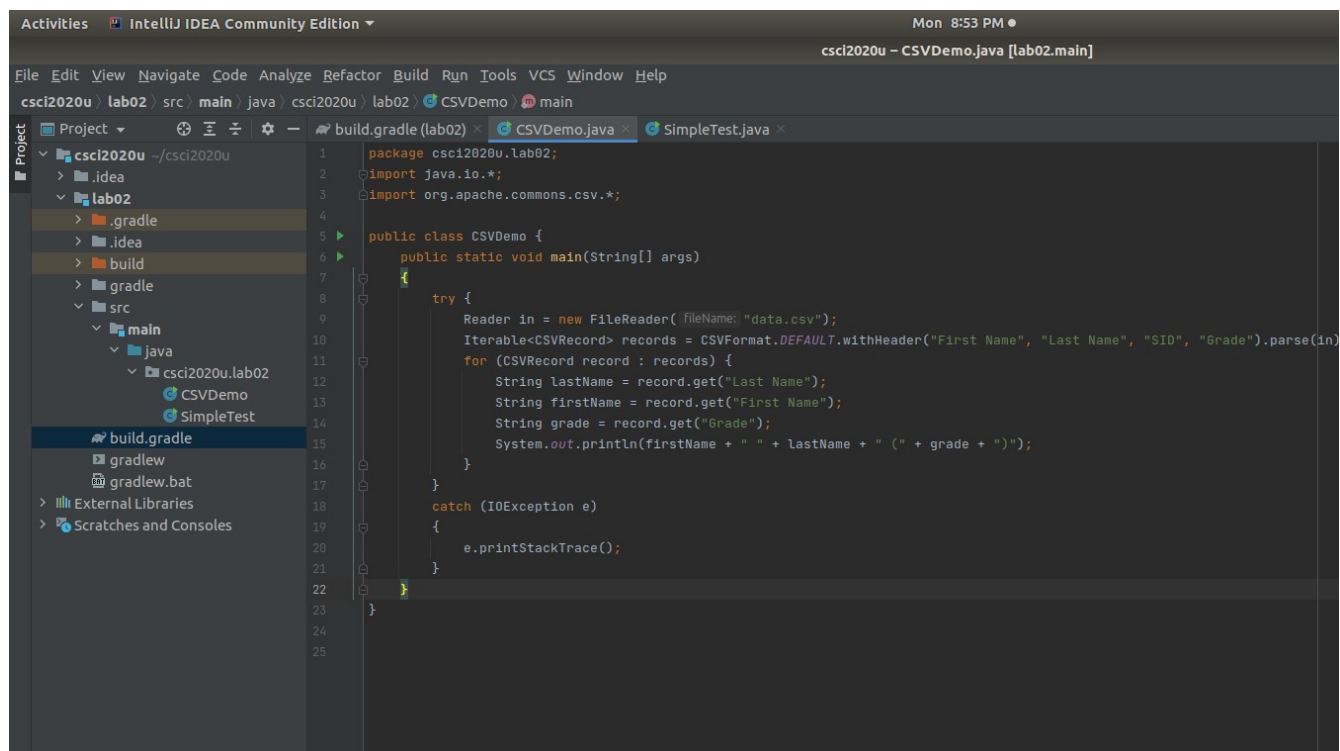
Activities   IntelliJ IDEA Community Edition ▾   Mon 8:53 PM ●

csci2020u – CSVDemo.java [lab02.main]

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

csci2020u ⟩ lab02 ⟩ src ⟩ main ⟩ java ⟩ csci2020u ⟩ lab02 ⟩ ⓒ CSVDemo ⟩ ⓜ main

Project ▾

- csci2020u ~/csci2020u
  - .idea
  - lab02
    - .gradle
    - .idea
    - build
    - gradle
    - src
      - main
        - java
          - csci2020u.lab02
            - ⓒ CSVDemo
            - ⓒ SimpleTest
    - build.gradle
    - gradlew
    - gradlew.bat
  - External Libraries
  - Scratches and Consoles

build.gradle (lab02) ⓒ CSVDemo.java ⓒ SimpleTest.java

```java
package csci2020u.lab02;
import java.io.*;
import org.apache.commons.csv.*;

public class CSVDemo {
    public static void main(String[] args)
    {
        try {
            Reader in = new FileReader( fileName: "data.csv");
            Iterable<CSVRecord> records = CSVFormat.DEFAULT.withHeader("First Name", "Last Name", "SID", "Grade").parse(in)
            for (CSVRecord record : records) {
                String lastName = record.get("Last Name");
                String firstName = record.get("First Name");
                String grade = record.get("Grade");
                System.out.println(firstName + " " + lastName + " (" + grade + ")");
            }
        }
        catch (IOException e)
        {
            e.printStackTrace();
        }
    }
}
```

```
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u_Semilore-omoyele-omoyinmi/lab02/csci2020u$ gradle task

> Task :tasks

------------------------------------------------------------
Tasks runnable from root project
------------------------------------------------------------

Build Setup tasks
-----------------
init - Initializes a new Gradle build.
wrapper - Generates Gradle wrapper files.

Help tasks
----------
buildEnvironment - Displays all buildscript dependencies declared in root project 'csci2020u'.
components - Displays the components produced by root project 'csci2020u'. [incubating]
dependencies - Displays all dependencies declared in root project 'csci2020u'.
dependencyInsight - Displays the insight into a specific dependency in root project 'csci2020u'.
dependentComponents - Displays the dependent components of components in root project 'csci2020u'. [incubating]
help - Displays a help message.
model - Displays the configuration model of root project 'csci2020u'. [incubating]
outgoingVariants - Displays the outgoing variants of root project 'csci2020u'.
projects - Displays the sub-projects of root project 'csci2020u'.
properties - Displays the properties of root project 'csci2020u'.
tasks - Displays the tasks runnable from root project 'csci2020u'.

To see all tasks and more detail, run gradle tasks --all

To see more detail about a task, run gradle help --task <task>

Deprecated Gradle features were used in this build, making it incompatible with Gradle 7.0.
Use '--warning-mode all' to show the individual deprecation warnings.
See https://docs.gradle.org/6.6.1/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 711ms
1 actionable task: 1 executed
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u_Semilore-omoyele-omoyinmi/lab02/csci2020u$ []
```

```
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u_Semilore-omoyele-omoyinmi$ git add .
warning: CRLF will be replaced by LF in lab02/csci2020u/lab02/gradlew.bat.
The file will have its original line endings in your working directory.
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u_Semilore-omoyele-omoyinmi$ git commit -m"lab02"
[master d5c47af] lab02
 62 files changed, 528 insertions(+)
 create mode 100644 lab02/.idea/workspace.xml
 create mode 100644 lab02/csci2020u/.gradle/6.6.1/executionHistory/executionHistory.bin
 create mode 100644 lab02/csci2020u/.gradle/6.6.1/executionHistory/executionHistory.lock
 create mode 100644 lab02/csci2020u/.gradle/6.6.1/fileChanges/last-build.bin
 create mode 100644 lab02/csci2020u/.gradle/6.6.1/fileHashes/fileHashes.lock
 create mode 100644 lab02/csci2020u/.gradle/6.6.1/gc.properties
 create mode 100644 lab02/csci2020u/.gradle/buildOutputCleanup/buildOutputCleanup.lock
 create mode 100644 lab02/csci2020u/.gradle/buildOutputCleanup/cache.properties
 create mode 100644 lab02/csci2020u/.gradle/checksums/checksums.lock
 create mode 100644 lab02/csci2020u/.gradle/configuration-cache/gc.properties
 create mode 100644 lab02/csci2020u/.gradle/vcs-1/gc.properties
 create mode 100644 lab02/csci2020u/.idea/.gitignore
 create mode 100644 lab02/csci2020u/.idea/csci2020u.iml
 create mode 100644 lab02/csci2020u/.idea/gradle.xml
 create mode 100644 lab02/csci2020u/.idea/jarRepositories.xml
 create mode 100644 lab02/csci2020u/.idea/misc.xml
 create mode 100644 lab02/csci2020u/.idea/modules.xml
 create mode 100644 lab02/csci2020u/.idea/vcs.xml
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/executionHistory/executionHistory.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/executionHistory/executionHistory.lock
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/fileChanges/last-build.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/fileContent/fileContent.lock
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/fileHashes/fileHashes.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/fileHashes/fileHashes.lock
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/gc.properties
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/javaCompile/classAnalysis.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/javaCompile/javaCompile.lock
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.6.1/javaCompile/taskHistory.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/executionHistory/executionHistory.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/executionHistory/executionHistory.lock
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/fileChanges/last-build.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/fileHashes/fileHashes.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/fileHashes/fileHashes.lock
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/gc.properties
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/javaCompile/classAnalysis.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/javaCompile/javaCompile.lock
 create mode 100644 lab02/csci2020u/lab02/.gradle/6.7/javaCompile/taskHistory.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/buildOutputCleanup/buildOutputCleanup.lock
 create mode 100644 lab02/csci2020u/lab02/.gradle/buildOutputCleanup/cache.properties
 create mode 100644 lab02/csci2020u/lab02/.gradle/buildOutputCleanup/outputFiles.bin
 create mode 100644 lab02/csci2020u/lab02/.gradle/checksums/checksums.lock
```

```
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u_Semilore-omoyele-omoyinmi$ git push
Username for 'https://github.com': Semilore-omoyeleomoyinmi
Password for 'https://Semilore-omoyeleomoyinmi@github.com':
Counting objects: 96, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (64/64), done.
Writing objects: 100% (96/96), 71.60 KiB | 5.97 MiB/s, done.
Total 96 (delta 15), reused 0 (delta 0)
remote: Resolving deltas: 100% (15/15), done.
To https://github.com/Semilore-omoyeleomoyinmi/-csci2020u_Semilore-omoyele-omoyinmi.git
semilore@semilore-HP-Pavilion-Notebook:~/Documents/csci2020u_Semilore-omoyele-omoyinmi$
```