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CSYE 7200

Big-Data Sys Engr Using Scala

Spring 2021

Assignment 1

## Task:

Please note that Assignment 1 is basically the same as Assignment 0 except that you are to submit your code according to the instructions (see below). But, everything that you did in the second part of Assignment 0 should be done again here. If you already did Assignment 0, that should make it very easy.

You will find the basic source code for Assignment 1 in the class repository under the module: *assignment-helloworld*. You should just clone the whole repository and the "cd" into the *assignment-helloworld* module.

There are two separate parts to this assignment: *HelloWorld* and *Ingest*. Each of these is a "main" program which you can run either directly via your IDE (IntelliJ IDEA or Eclipse) or you can run using "sbt run." (You should be able to do that if you successfully finished assignment 0).

The instructions for Assignment 1 are actually covered by the Assignment 0 instructions. However, if you need further detail on the requirements for assignment 1 is available as Assignment1 [here](#).

# Output

The screenshot shows the IntelliJ IDEA IDE interface. The top toolbar includes icons for File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, and Help. The breadcrumb navigation at the top reads: CSYE7200-master > assignment-helloworld > src > main > scala > edu > neu > coe > csye7200 > assthw > HelloWorld.scala. The left sidebar shows the Project view with the following structure:

- CSYE7200-master F:\Neu Class\CSYE7200-master
  - idea
  - assignment-functional-composition
    - project
      - src
        - main
          - java
          - resources
          - scala
            - edu
              - neu
                - coe
                  - csye7200

The main editor displays the `HelloWorld.scala` file with the following code:

```
7  * You should able to run this HelloWorld and
8  * HelloWorldSpec under test folder,
9  * Your submission should be the screenshot of
10 * running HelloWorldSpec and pass the test.
11 */
12 object HelloWorld extends App {
13   def greeting = "Hello World!"
14
15   println(greeting)
16 }
17
```

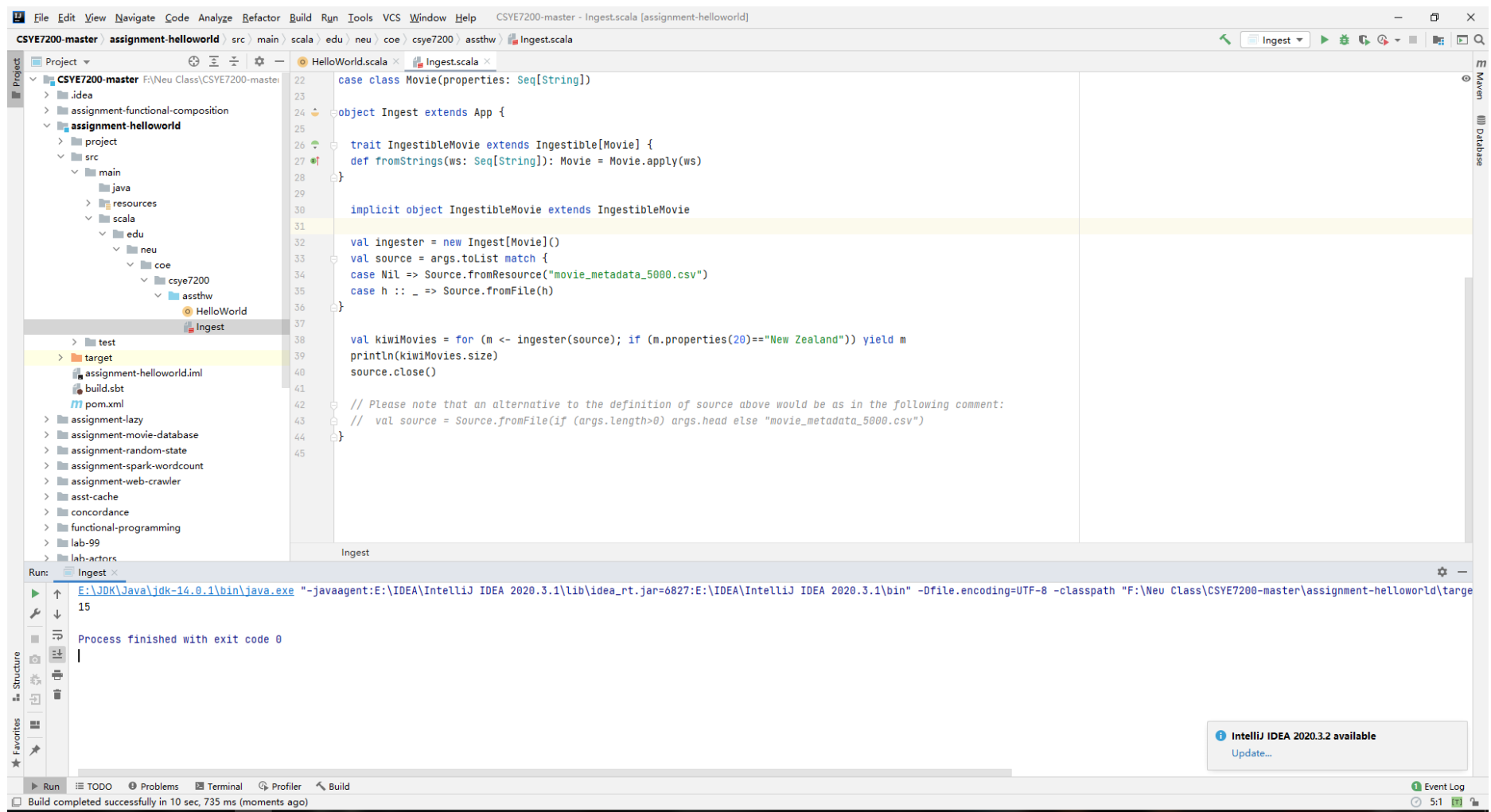
The bottom panel shows the Terminal output for the command `sbt test run`:

```
F:\Neu Class\CSYE7200-master\assignment-helloworld>sbt test run
[info] welcome to sbt 1.4.0 (Oracle Corporation Java 14.0.1)
[info] loading global plugins from C:\Users\m\sb\1.0\plugins
[info] loading project definition from F:\Neu Class\CSYE7200-master\assignment-helloworld\project
[info] loading settings for project assignment-helloworld from build.sbt ...
[info] set current project to HelloWorld (in build file:/F:/Neu%20Class/CSYE7200-master/assignment-helloworld/)
[info] compiling 1 Scala source to F:\Neu Class\CSYE7200-master\assignment-helloworld\target\scala-2.13\classes ...
[info] HelloWorldSpec:
[info] HelloWorld
[info] - should get the correct greeting
[info] Ingest
[info] - should find the correct number of movies
[info] Run completed in 699 milliseconds.
[info] Total number of tests run: 2
[info] Suites: completed 1, aborted 0
[info] Tests: succeeded 2, failed 0, canceled 0, ignored 0, pending 0
[info] All tests passed.
[success] Total time: 7 s, completed 2021年?月?日 2:24:58

Multiple main classes detected. Select one to run:
[1] edu.neu.coe.csye7200.assthw.HelloWorld
[2] edu.neu.coe.csye7200.assthw.Ingest
Enter number: 1
[info] running edu.neu.coe.csye7200.assthw.HelloWorld
Hello World!
[success] Total time: 94 s (01:34), completed 2021年?月?日 2:26:32

F:\Neu Class\CSYE7200-master\assignment-helloworld>
```

The bottom status bar indicates: IntelliJ IDEA 2020.3.2 available // Update... (20 minutes ago) | Event Log | 16:2 |



The movies which originate in New Zealand: 15