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# Big Data System Engineering with Scala

## Fall 2022

### Assignment No. 1



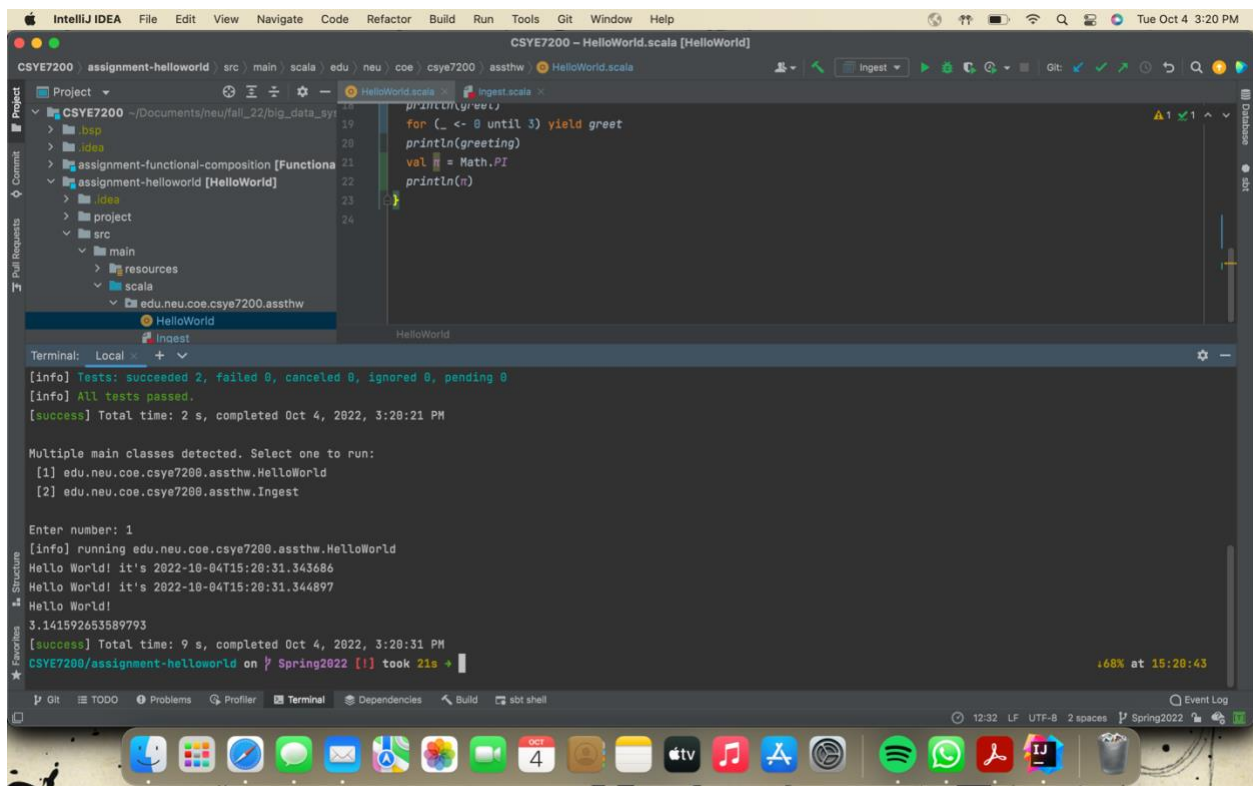
## -List of Tasks Implemented

- Have development environment that will compile, test, and run Scala programs
- List movies in data set provided
- Get the number of movies that originated in New Zealand
- Download Apache spark and run a simple Scala program

## -Findings and analysis

- 15 movies originated from New Zealand in the movie dataset

## -Code



The screenshot shows the IntelliJ IDEA IDE interface. The top toolbar includes menus like File, Edit, View, Navigate, Code, Refactor, Build, Run, Tools, Git, Window, and Help. The main editor displays a Scala file named `HelloWorld.scala` with the following code:

```
18 println(greet)
19 for (_ <- 0 until 3) yield greet
20 println(greeting)
21 val pi = Math.PI
22 println(n)
23
24
```

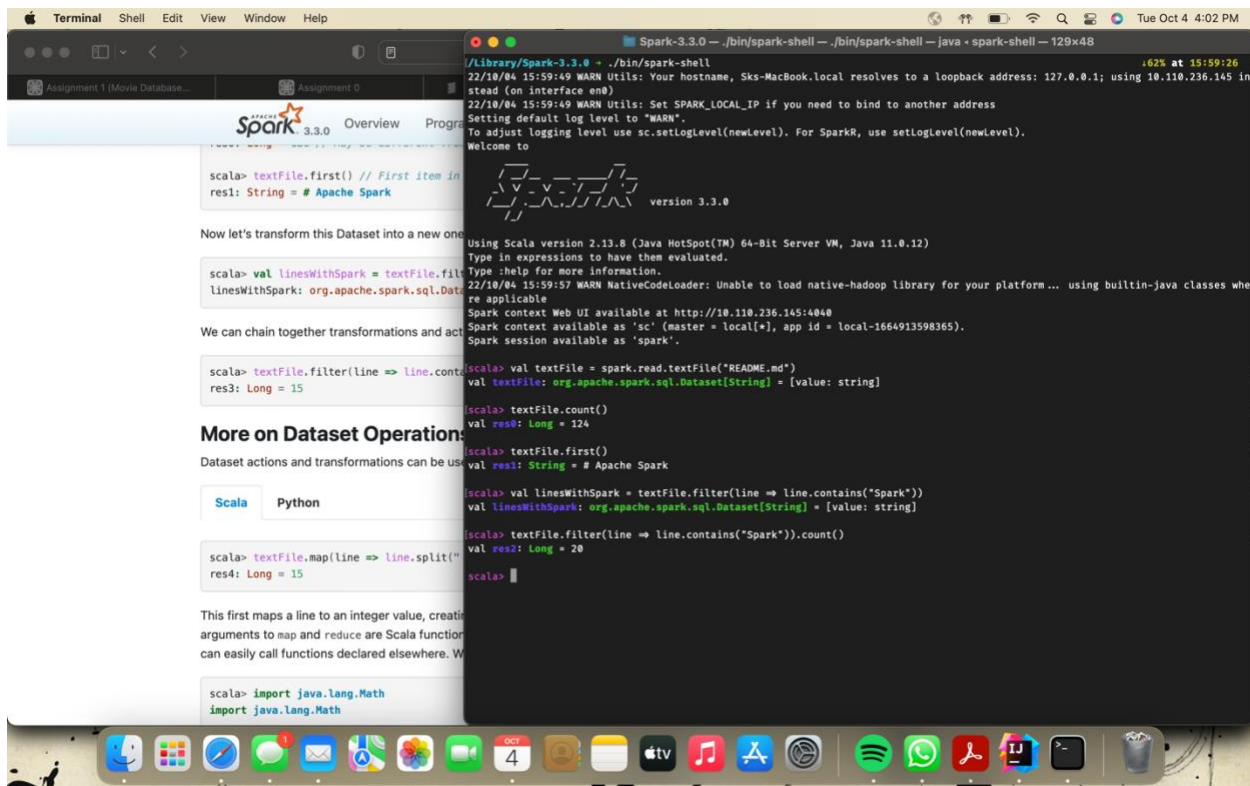
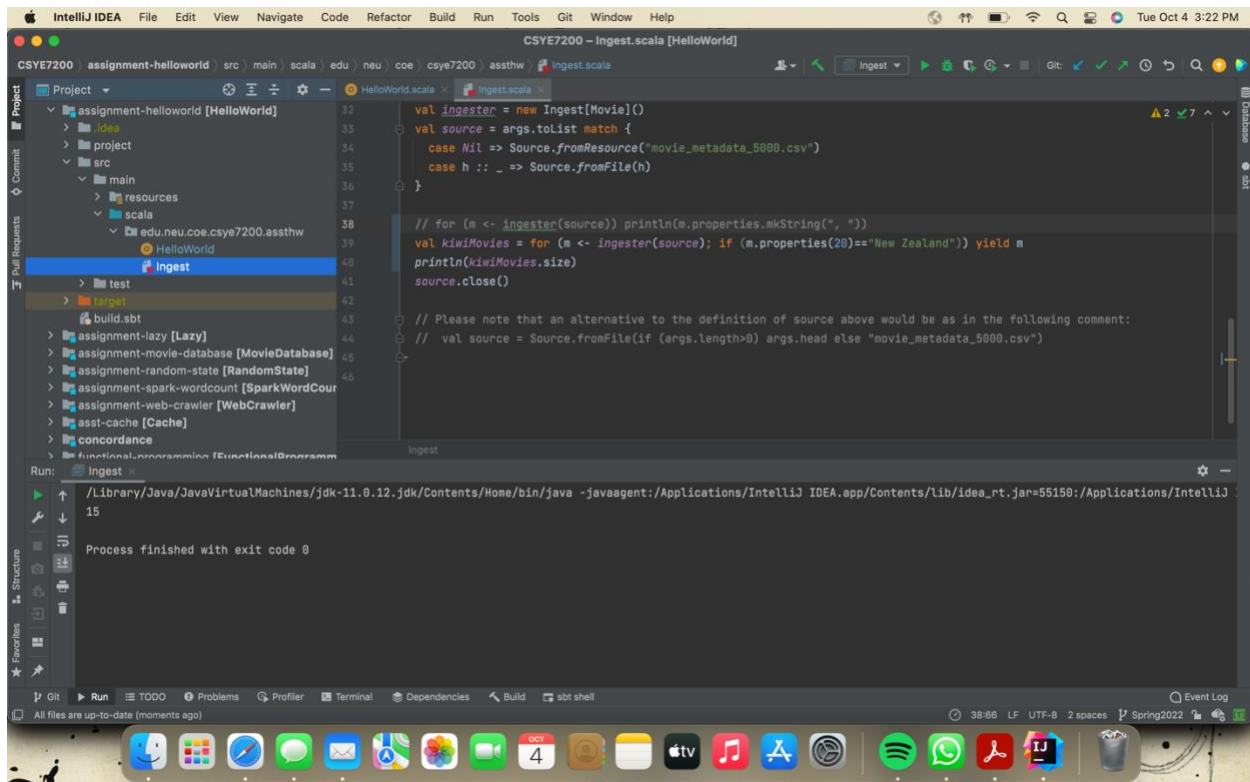
The left sidebar shows the Project structure with folders like `src`, `main`, `resources`, and `scala`. The bottom panel shows the Terminal output:

```
[info] Tests: succeeded 2, failed 0, canceled 0, ignored 0, pending 0
[info] All tests passed.
[success] Total time: 2 s, completed Oct 4, 2022, 3:20:21 PM

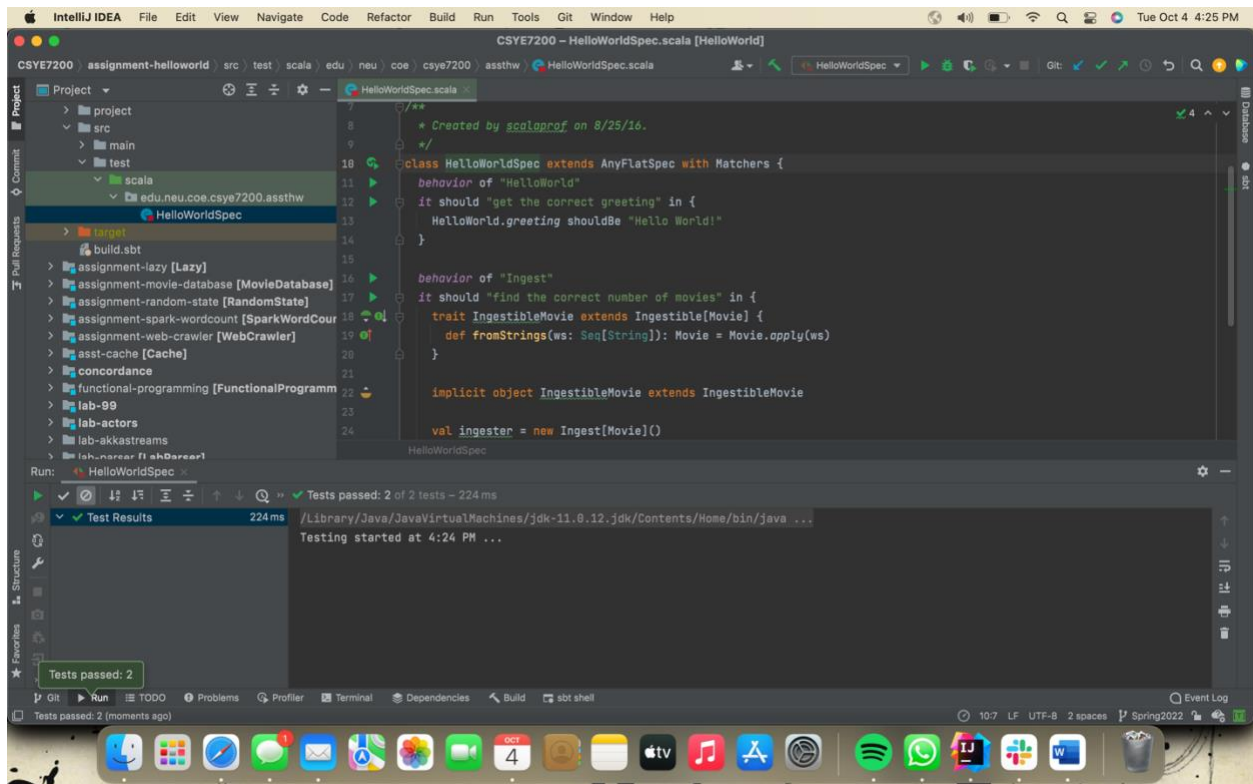
Multiple main classes detected. Select one to run:
[1] edu.neu.coe.csye7200.assthw.HelloWorld
[2] edu.neu.coe.csye7200.assthw.Ingest

Enter number: 1
[info] running edu.neu.coe.csye7200.assthw.HelloWorld
Hello World! it's 2022-10-04T15:20:31.343686
Hello World! it's 2022-10-04T15:20:31.344897
Hello World!
3.141592653589793
[success] Total time: 9 s, completed Oct 4, 2022, 3:20:31 PM
CSYE7200/assignment-helloworld on Spring2022 [!] took 21s +
```

The bottom status bar shows the file encoding as UTF-8, 2 spaces, and the current file is `Spring2022`.



## -Unit tests



## - Result

Everything works fine

