

Data-intensive Programming

Weekly exercise #2

Create a Spark project in the Scala Ide

Create a directory “dip” in your home directory, and download ex2.tar.gz from course Moodle page into the directory. Unpack the tar ball into the directory and cd to ex2 (e.g. `tar -zxvf ex2.tar.gz`). Study the directory structure and the files you find in the dip/ex2 directory. CD to dip/ex2 and give command sbt:

```
% sbt
[info] Loading project definition from /Users/aalitone3/tmp2/ex2/project
[info] Updating {file:/Users/aalitone3/tmp2/ex2/project/}ex2-build...
[info] Resolving org.fusesource.jansi#jansi;1.4 ...
[info] Done updating.
[info] Set current project to Sample Project (in build file:/Users/aalitone3/tmp2/ex2/)
>
```

The sbt builds the project and downloads the needed libraries into .ivy2 directory in your home directory. This may take several minutes.

When sbt shows prompt ‘>’ give it command eclipse:

```
> eclipse
[info] About to create Eclipse project files for your project(s).
[info] Updating {file:/Users/aalitone3/tmp2/ex2/}ex2...
[info] Resolving jline#jline;2.12.1 ...
[info] Done updating.
[info] Resolving jline#jline;2.12.1 ...
[info] Successfully created Eclipse project files for project(s):
[info] Sample Project
>
```

Now start Scala Ide, and choose *File->Import...*

Choose *General->Existing Projects into Workspace* and press *Next*.

Navigate to the dip/ex2 directory and press *Open*.

Press *Finish*

Change the Scala compiler to version 2.11.8

- Right click the project name -> Properties
- Choose Scala Compiler from the left.
- Select *Use Project Settings*.
- Choose Scala Installation -> 2.11.8.

Open the file *src/main/scala/weeklyExercise/Main.scala* and do the tasks.