

O'REILLY®

Scala Beyond the Basics

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About Me...

Daniel Hinojosa

Programmer, Developer, Consultant,
Instructor, and Speaker

Testing in Scala (Book)

Beginning Scala Programming
(Video)

Speaker:
A Few OSCONs
No Fluff Just Stuff Tour
DevNexus

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Structure of the Class

- All LiveCoding
- Performed in IntelliJ and Eclipse
- Commits and Pushing performed throughout the class
- Your Choice :
 - Watch
 - Code with Me
- Definitely Ask Questions

Project Setup

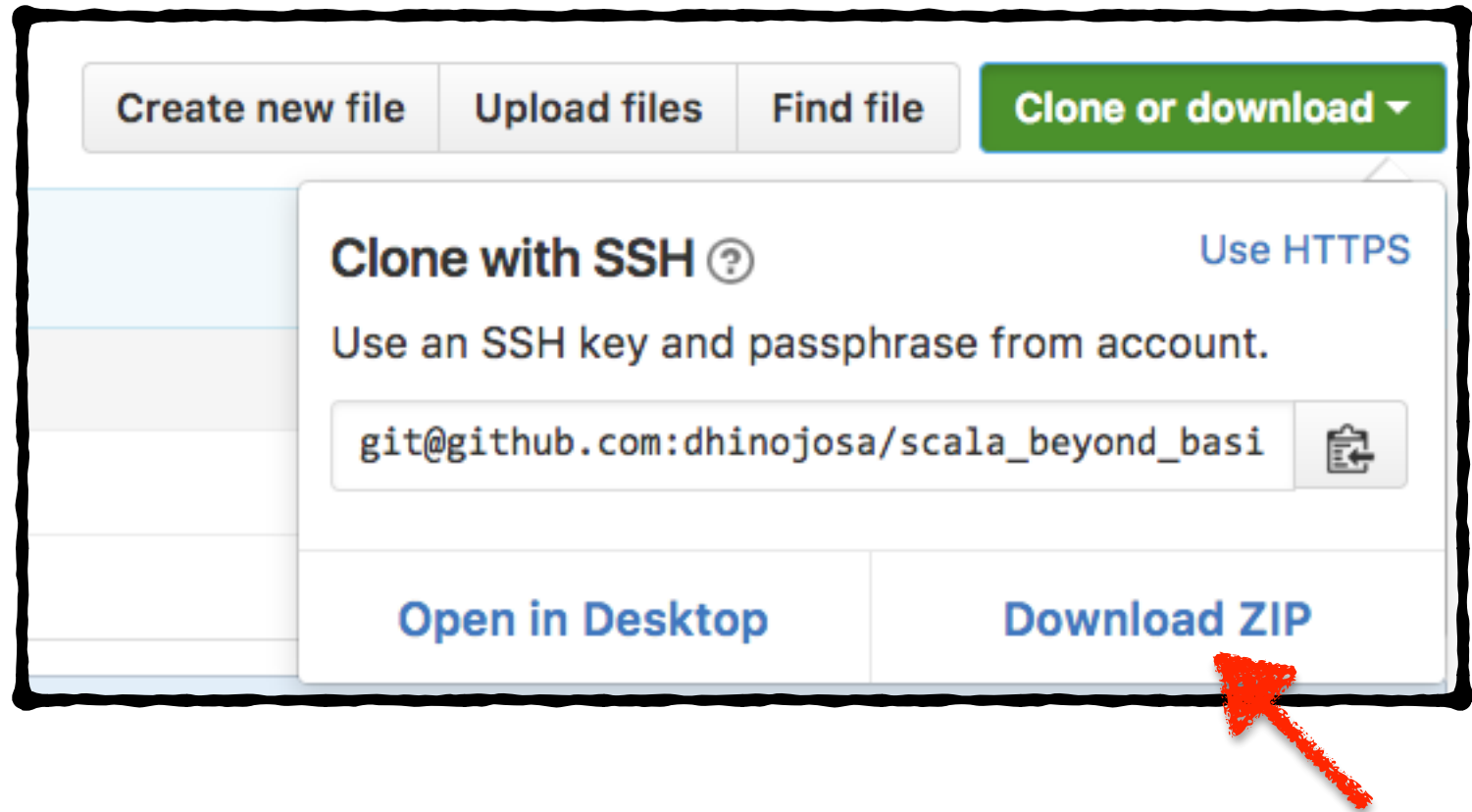
Checklist before setup...

- We provided pre-setup configuration already.
- Be sure `JAVA_HOME` is set and that the following works:
 - `javac -version`
 - `java -version`
- Be sure SBT is setup and ensure that the following works
 - `sbt sbtVersion`

Repository Location, Clone it!

https://github.com/dhinojosa/scala_beyond_basics

But, if don't know Git too well...



Once downloaded...Run SBT

```
~/Development/scala_beyond_basics(branch:master*) » sbt
```

You should see something like this...

```
-----  
~/Development/scala_beyond_basics(branch:master*) » sbt  
[info] Loading project definition from /Users/danno/Developmen  
t/scala_beyond_basics/project  
[info] Set current project to scala_beyond_basics (in build fi  
le:/Users/danno/Development/scala_beyond_basics/)  
> █
```

You'll need to update your project...

```
-----  
~/Development/scala_beyond_basics(branch:master*) » sbt  
[info] Loading project definition from /Users/danno/Developmen  
t/scala_beyond_basics/project  
[info] Set current project to scala_beyond_basics (in build fi  
le:/Users/danno/Development/scala_beyond_basics/)  
> update
```

Updating Your Project

- This will download Scala and all your dependencies into your `~/ .ivy2`
- This may take a while depending on your connection speed.
- If you have any problems, there might be issues with network connection, or proxy based issues

Proxy Issues

- If you have problems because of any proxy server, add the following to your environment variables and change username and password accordingly

```
export JAVA_OPTS="$JAVA_OPTS -Dhttp.proxyHost=yourserver -  
Dhttp.proxyPort=8080 -Dhttp.proxyUser=username -  
Dhttp.proxyPassword=password"
```

Lab: Let's get setup!

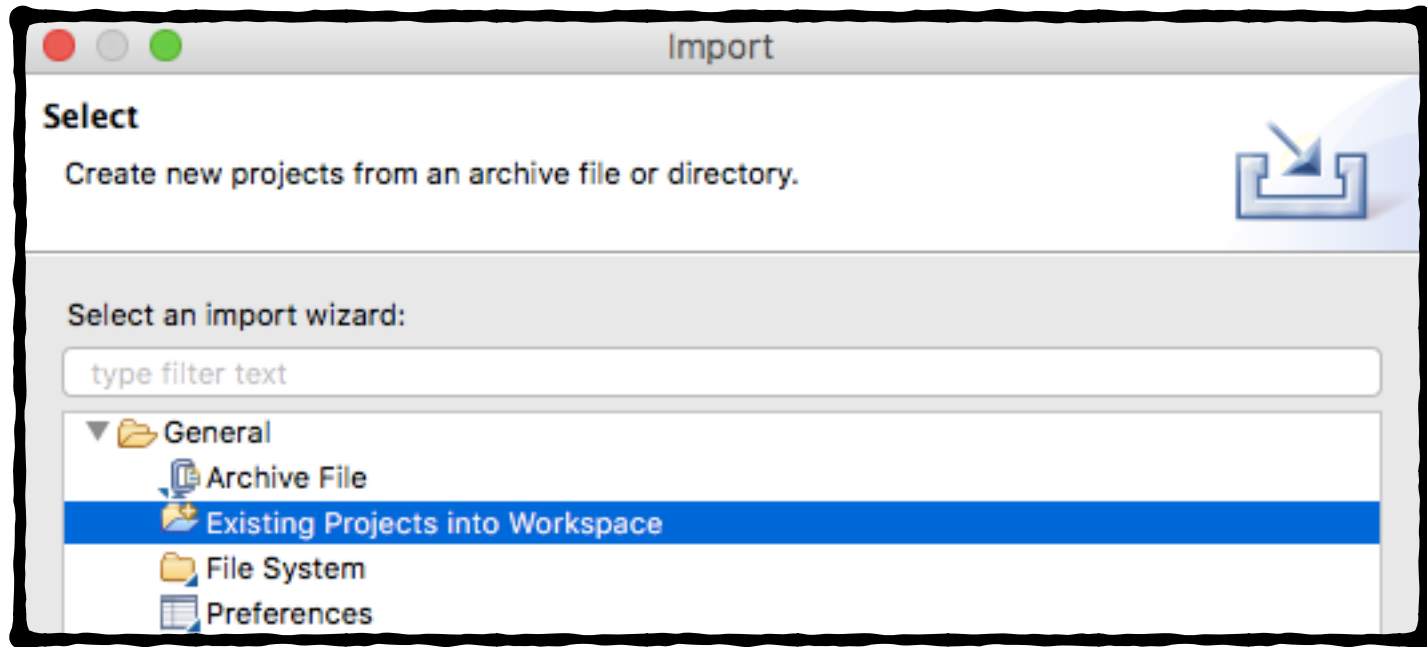
- Clone or download
`scala_beyond_basics` from
`https://github.com/dhinojosa/scala_beyond_basics`
- Run `sbt` at the command line
- Once in the `sbt` console, run `update`
- Wait for the download to complete

Setup for Eclipse

Run the Eclipse Plugin in SBT

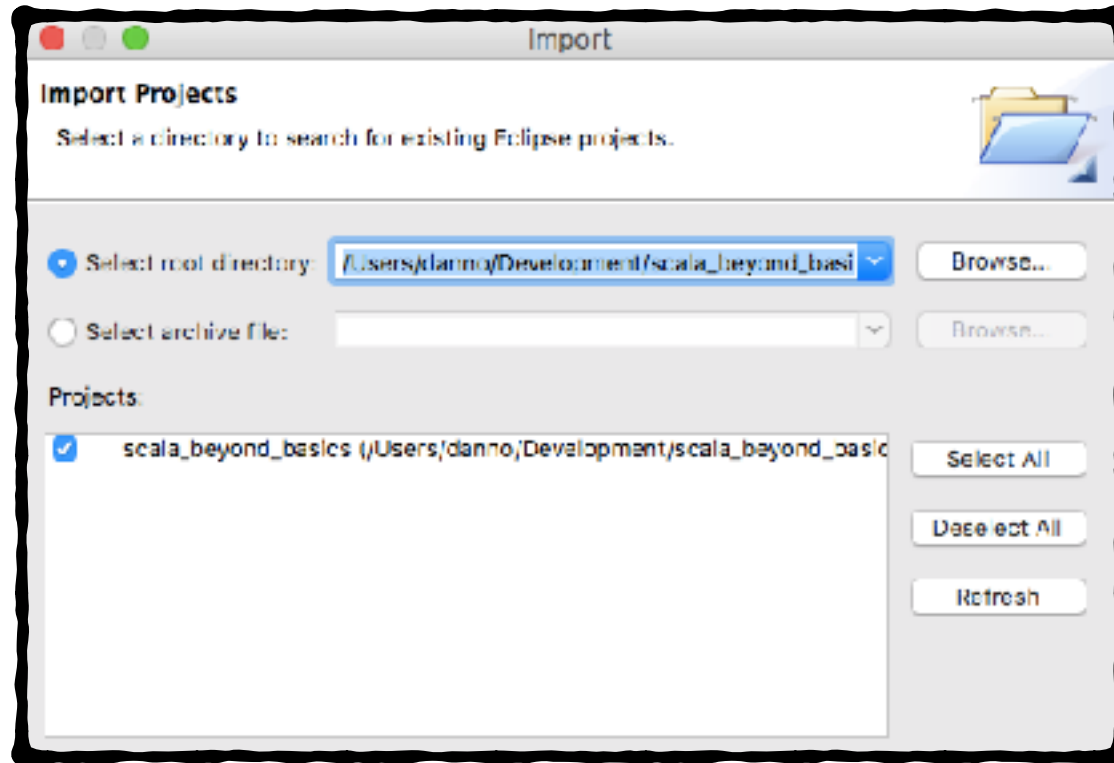
```
> eclipse with-source=true with-javadoc=true execution-environ  
ment=JavaSE-1.8
```


Import Existing Project



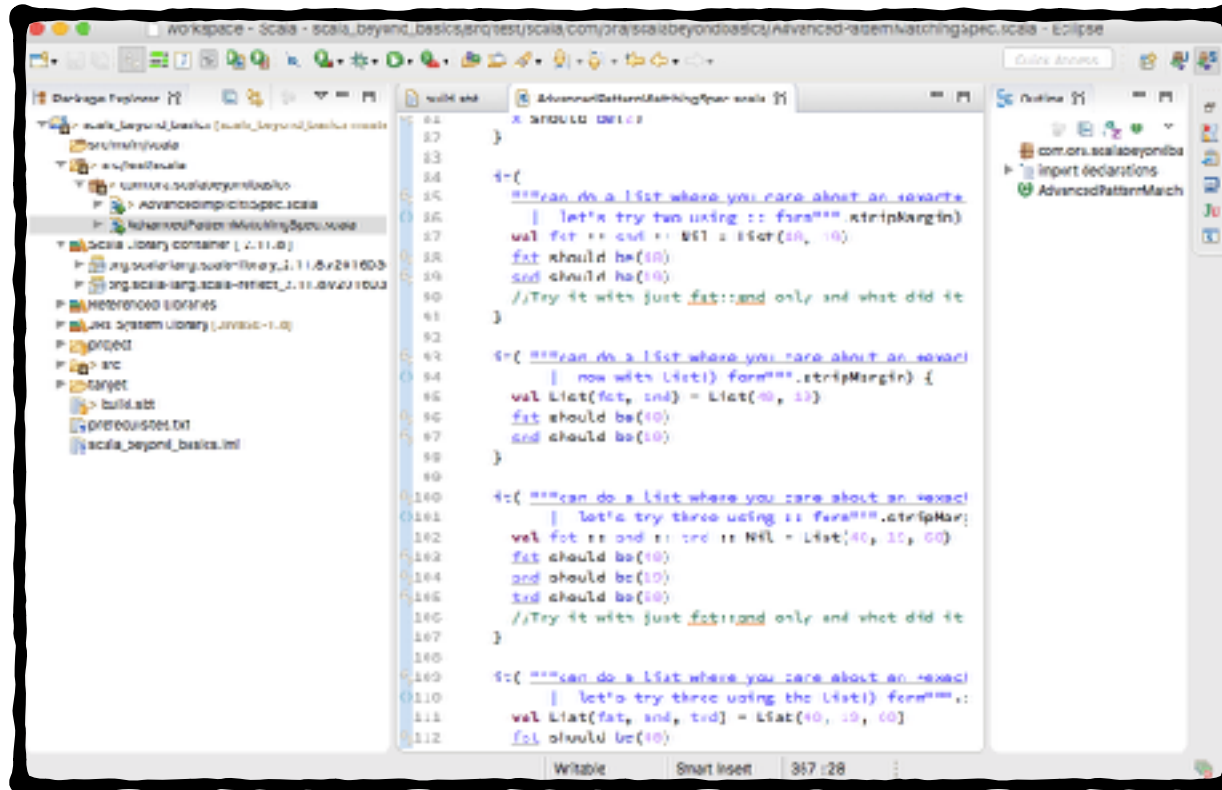
File > Import Project >
Select Existing Projects Into Workspace > Next

Select Root Directory



Select the Root Directory of the Project using Browse,
Ensure that the Project is Found, hit Finish

Project is now ready



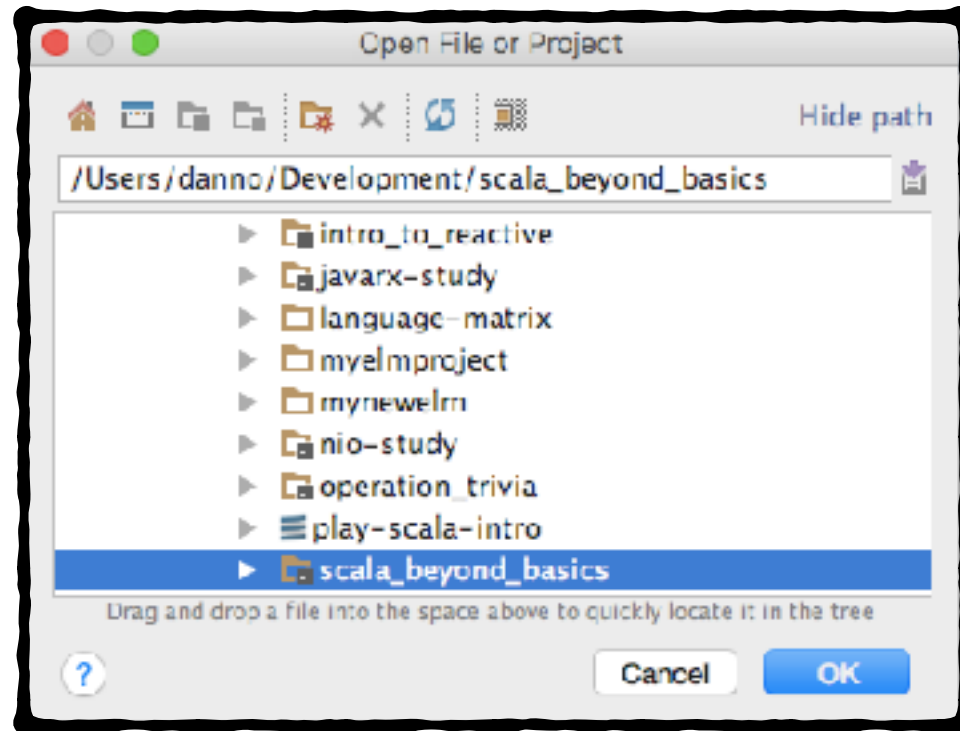
Select the Root Directory of the Project using Browse,
Ensure that the Project is Found, hit Finish

Setup for IntelliJ

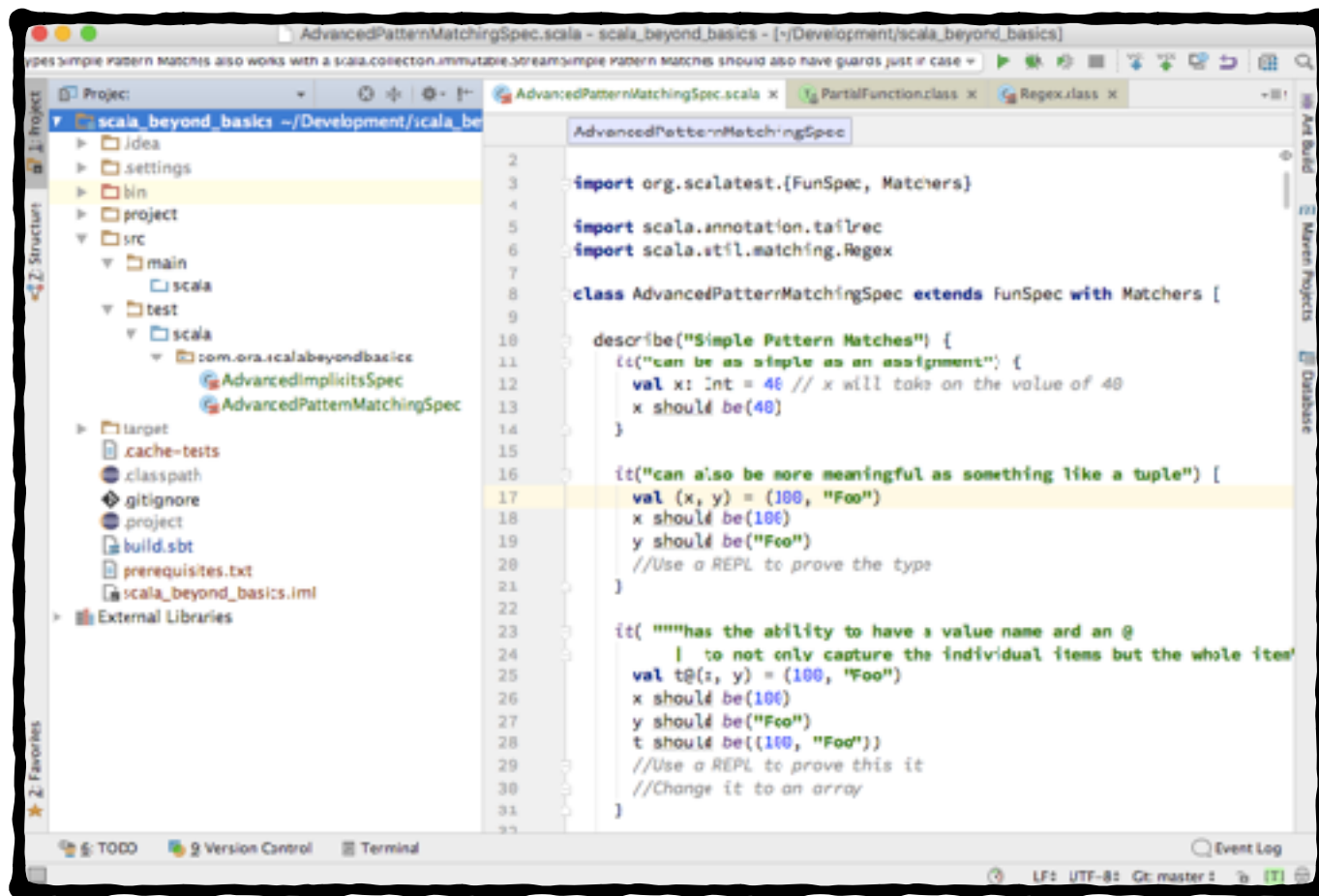
From IntelliJ Intro Screen, or from the splash screen, select Open



Locate the `scala_beyond_basics` project and click OK



Project is now ready...



Day 1: Pattern Matching (Live Coding)

Day 2: Implicit and Typeclasses (Live Coding)

Thank You