Instructions for testing the Scala square root finding application

1. Open a web browser and navigate to https://github.com/macginitie/scala-sqrt

2. Press the green Code button

3. Select "Download ZIP"
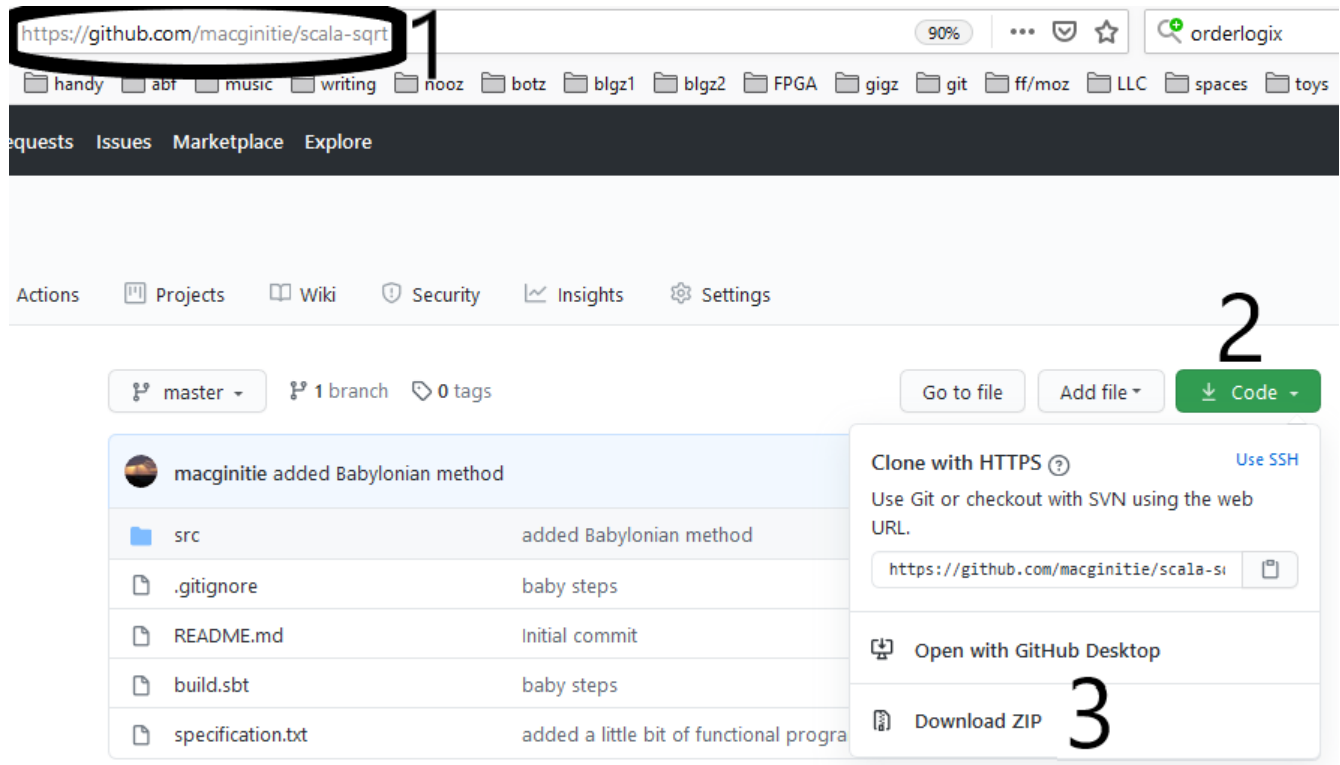
4. Extract the downloaded zip file to a folder of your choice

5. Launch IntelliJ

6. Select File → New → Project…

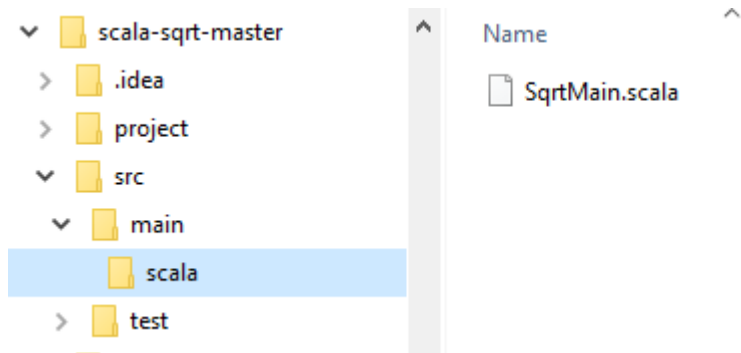7. Select Scala and sbt as shown below
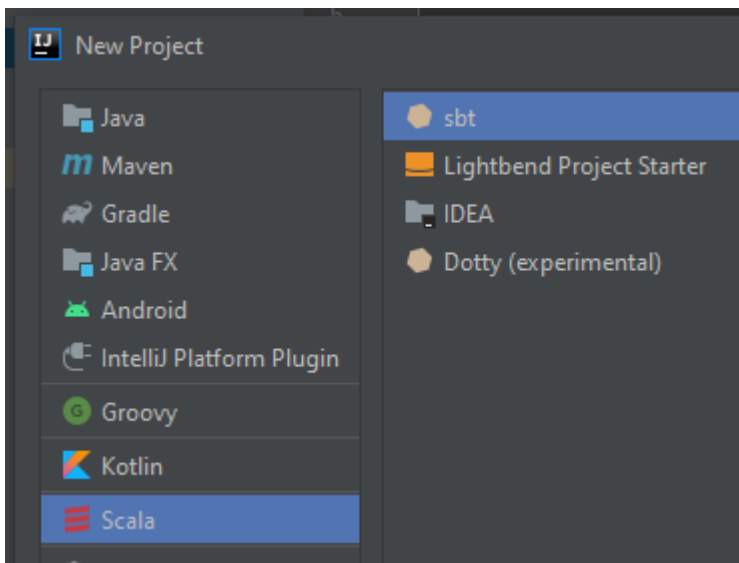
8. Click the Next button

9. Type a name for the project, then click the Finish button

10. Launch File Explorer and navigate to the folder you created in step 4 above

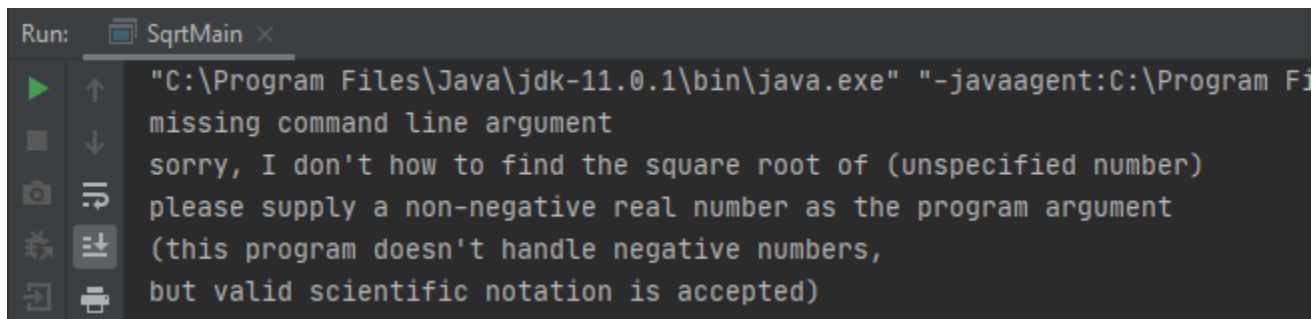11. Expand the folder hierarchy as shown below and copy the file SqrtMain.scala

12. Navigate to the folder where you created your new Scala project in IntelliJ, and paste the file in the corresponding folder (i.e., into {project name}\src\main\scala\)

13. Returning to IntelliJ, expand the Project view as shown and select SqrtMain
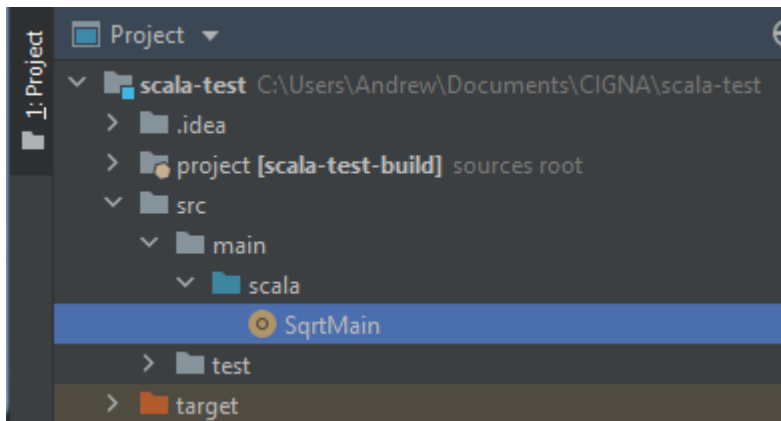
14. Select Run → Run…

15. Select SqrtMain in the dialog that appears. The program should run, producing output in the IntelliJ Run window, similar to the image below


```
"C:\Program Files\Java\jdk-11.0.1\bin\java.exe" "-javaagent:C:\Program Fi
missing command line argument
sorry, I don't how to find the square root of (unspecified number)
please supply a non-negative real number as the program argument
(this program doesn't handle negative numbers,
but valid scientific notation is accepted)
```

16. Select Run → Edit Configurations…

17. Type a number into the Program arguments field (it is not necessary to use scientific notation)
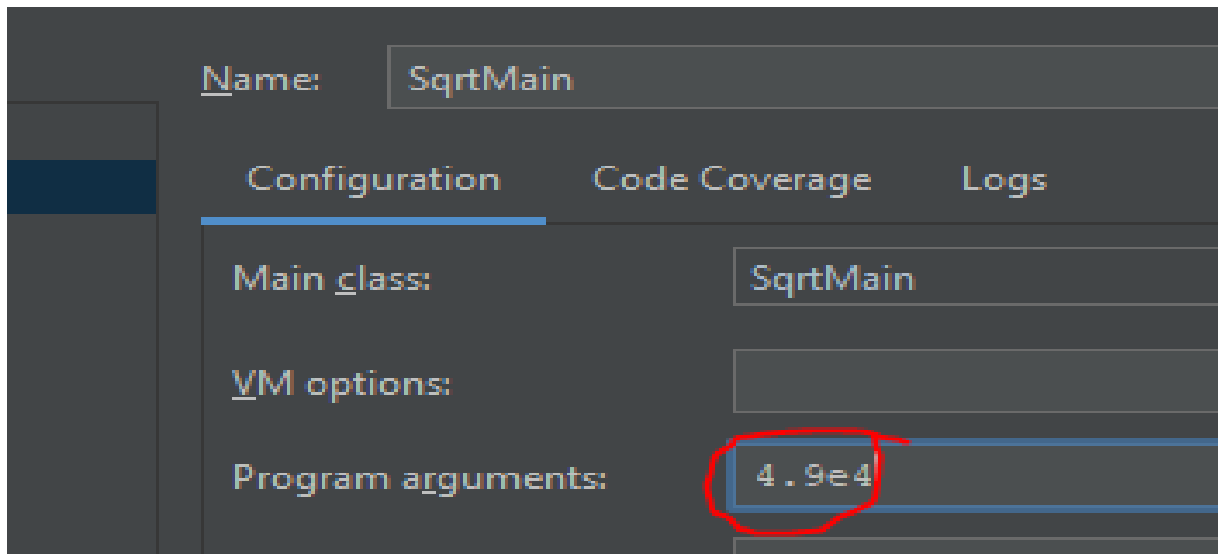
18. Click the OK button

19. Run the program (e.g., using the green triangle button; Run → Run SqrtMain; Shift+F10; etc.)

The program should print out 2 square roots, each calculated by a different method.

Steps 16 through 19 above can be repeated to test the program.