**Spark Application with Java**

**- By Group ‘C’**

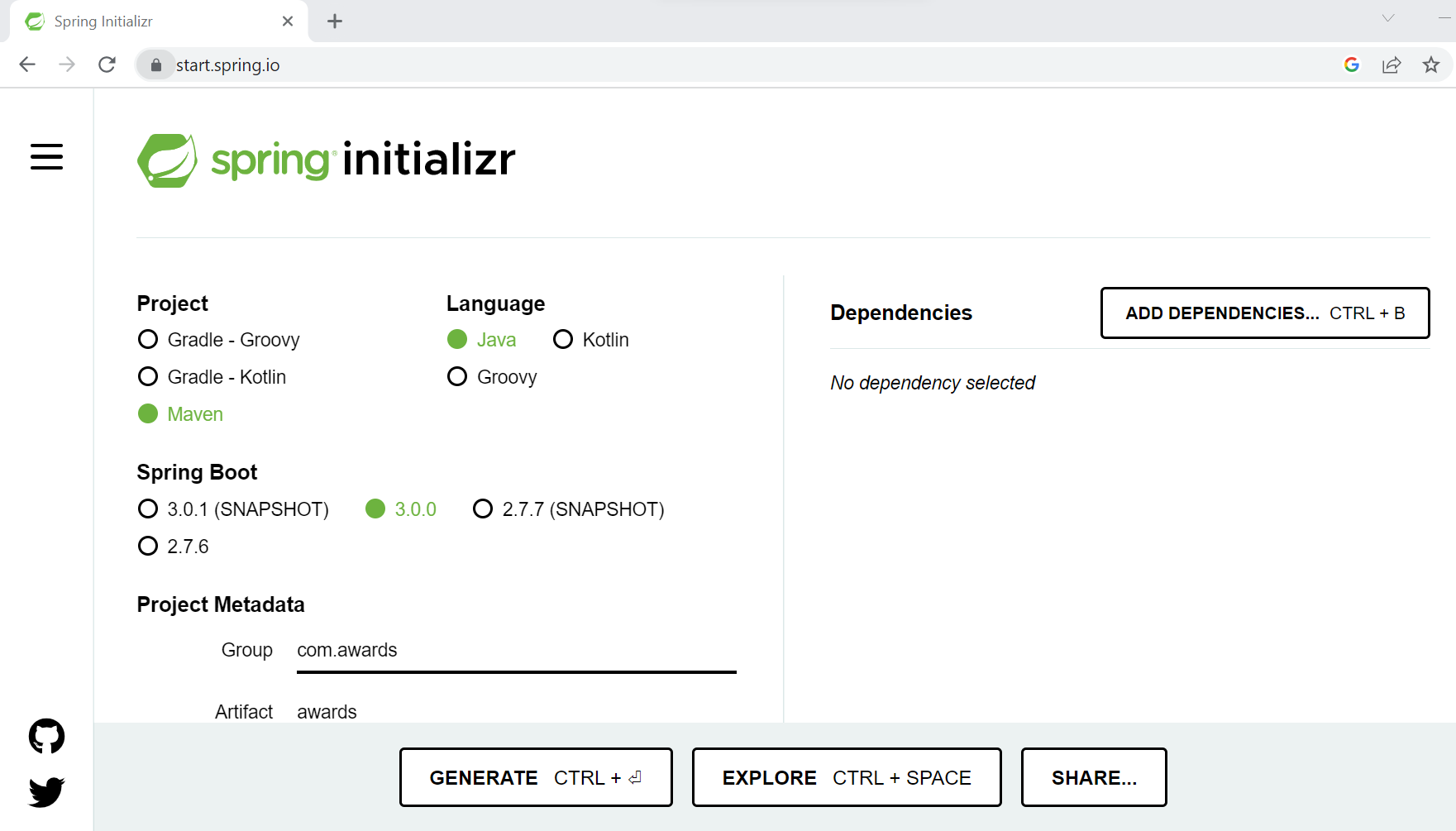
**Abhishek Yadav(9180)**

**Gaurav Borse(9182)**

**Sheetal Chauhan(9178)**

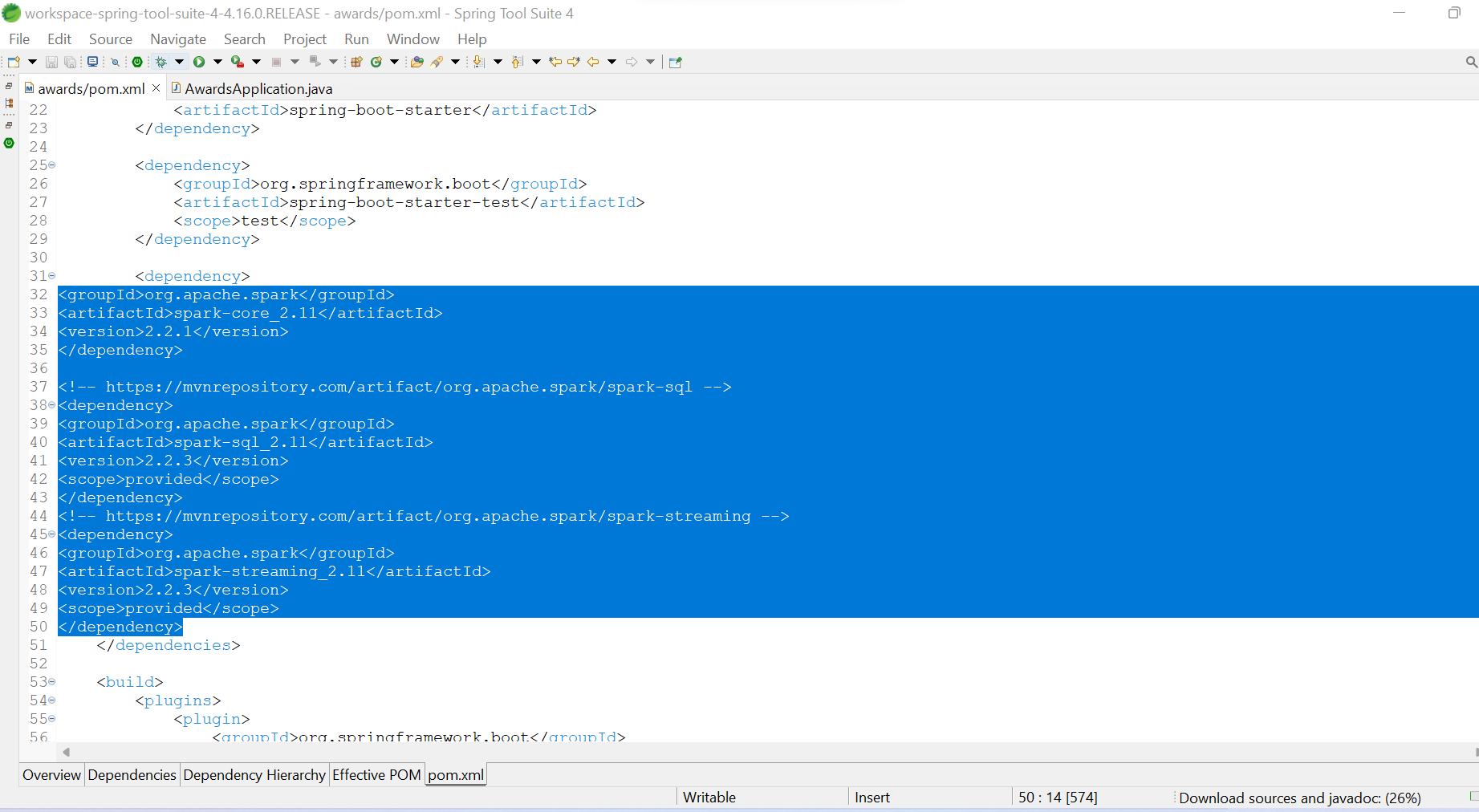
**Vaishnavi Dose(9182)**

* First Create project using Spring Initializer.

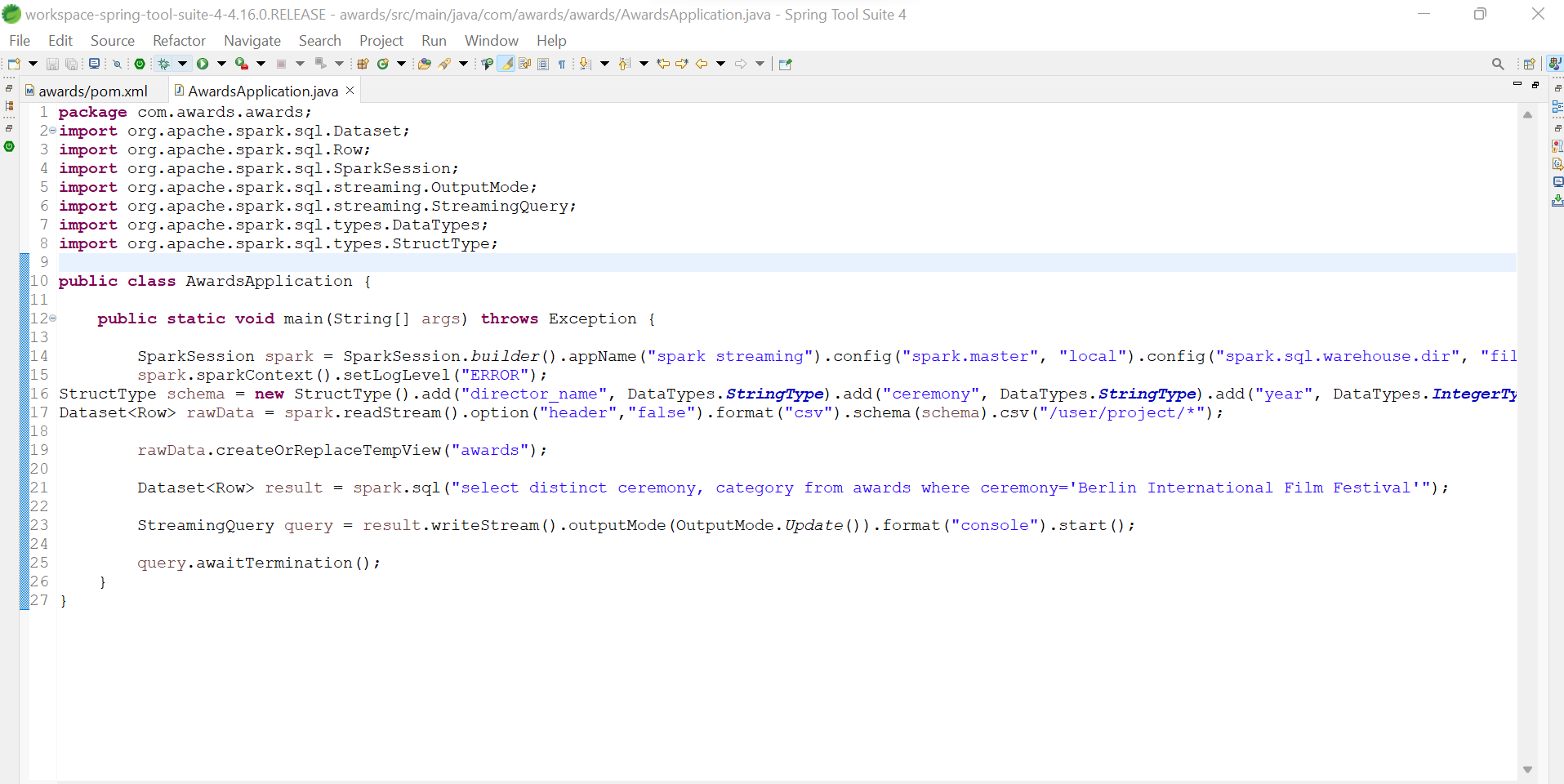


* Then Extract a Zip File.
* Then Import unzip maven project file into Spring tool suite
* Import necessary Dependencies into pom.xml file

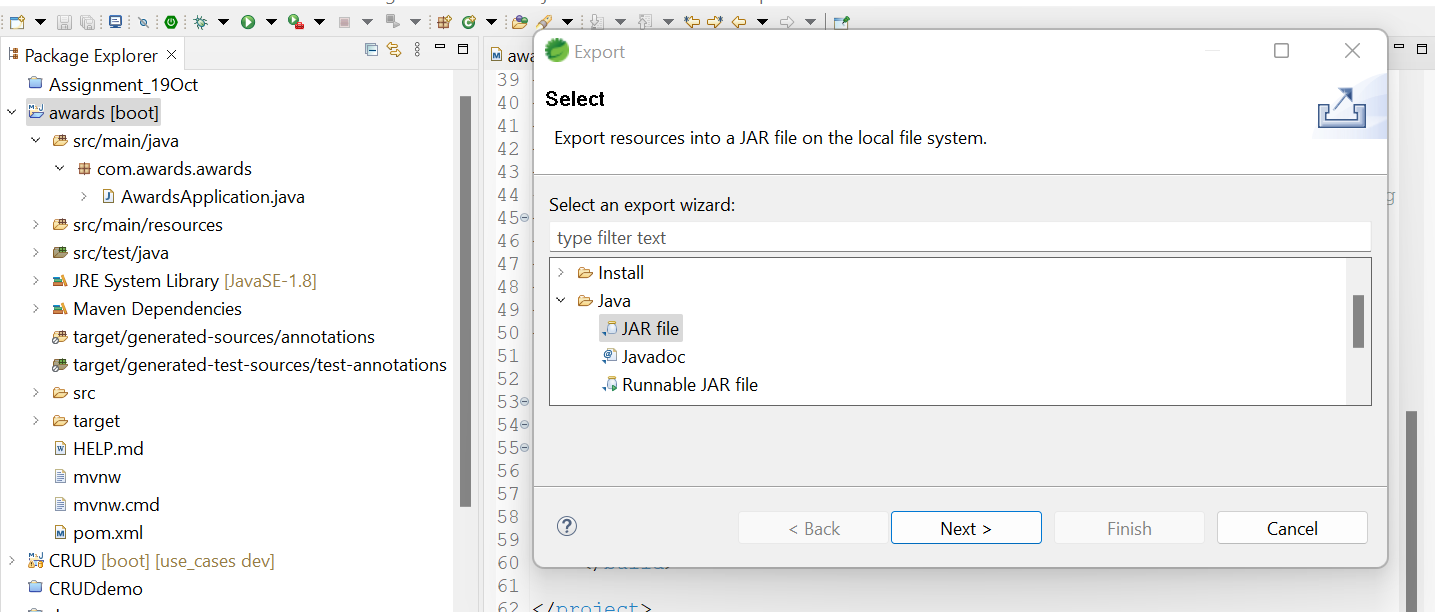
1. <dependency> <groupId>org.apache.spark</groupId> <artifactId>spark-core\_2.11</artifactId> <version>2.2.1</version> </dependency>
2. <!-- <https://mvnrepository.com/artifact/org.apache.spark/spark-sql> --> <dependency> <groupId>org.apache.spark</groupId> <artifactId>spark-sql\_2.11</artifactId> <version>2.2.3</version> <scope>provided</scope> </dependency>
3. <!-- <https://mvnrepository.com/artifact/org.apache.spark/spark-streaming> --> <dependency> <groupId>org.apache.spark</groupId> <artifactId>spark-streaming\_2.11</artifactId> <version>2.2.3</version> <scope>provided</scope> </dependency>



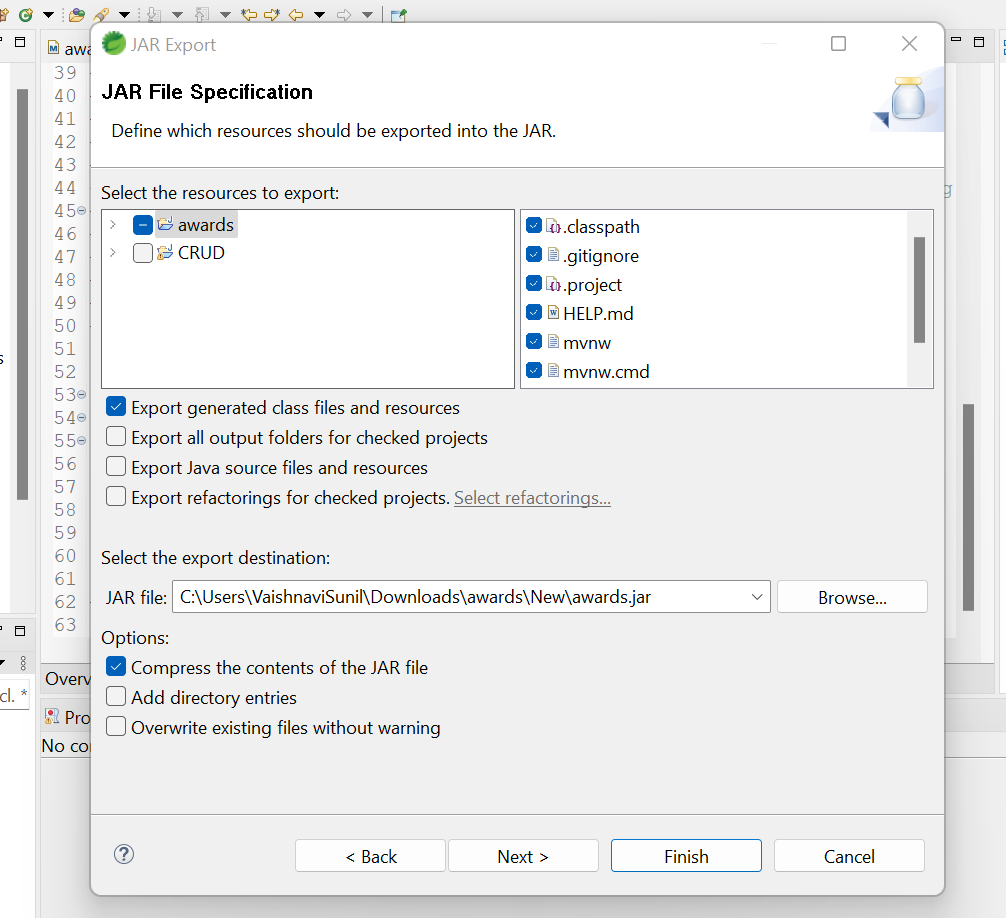
* Now write your java code for spark



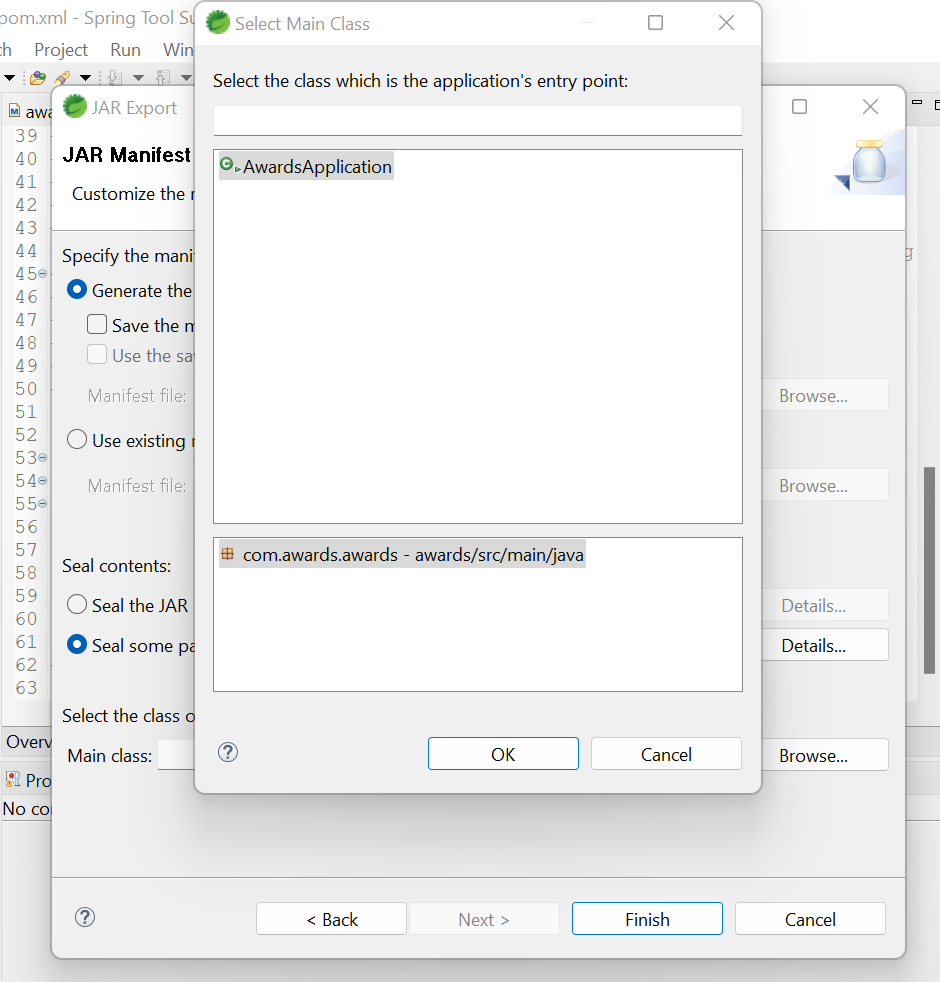
* Now Go to project **awards** right click on it.
* Awards -> export-> java -> jar file



* Click on browser and select file.



* Click Next then again next .



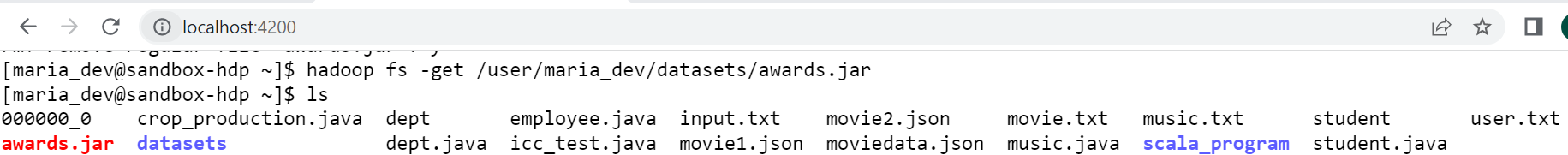
* Then click on browse select AwardsApplication -> ok -> finish.
* Now go to Ambari -> file view -> user -> maria\_dev-> datasets

Click on upload and add .jar file from your file explorer.

* Go to HDP location and get your .jar on home directory using thid command.

**hadoop fs –get /user/maria\_dev/datasets/awards.jar**

**ls**

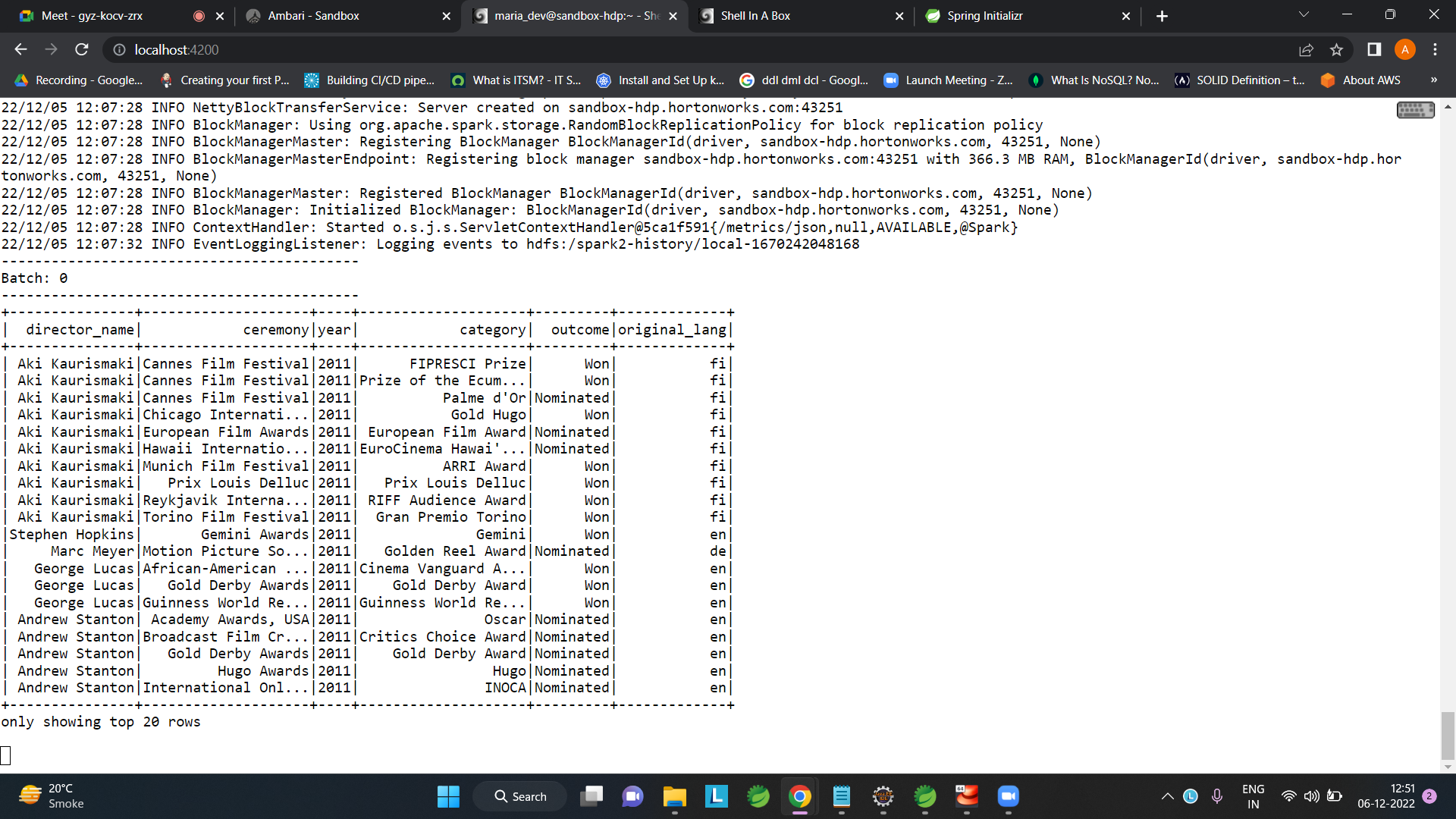
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For output use this command

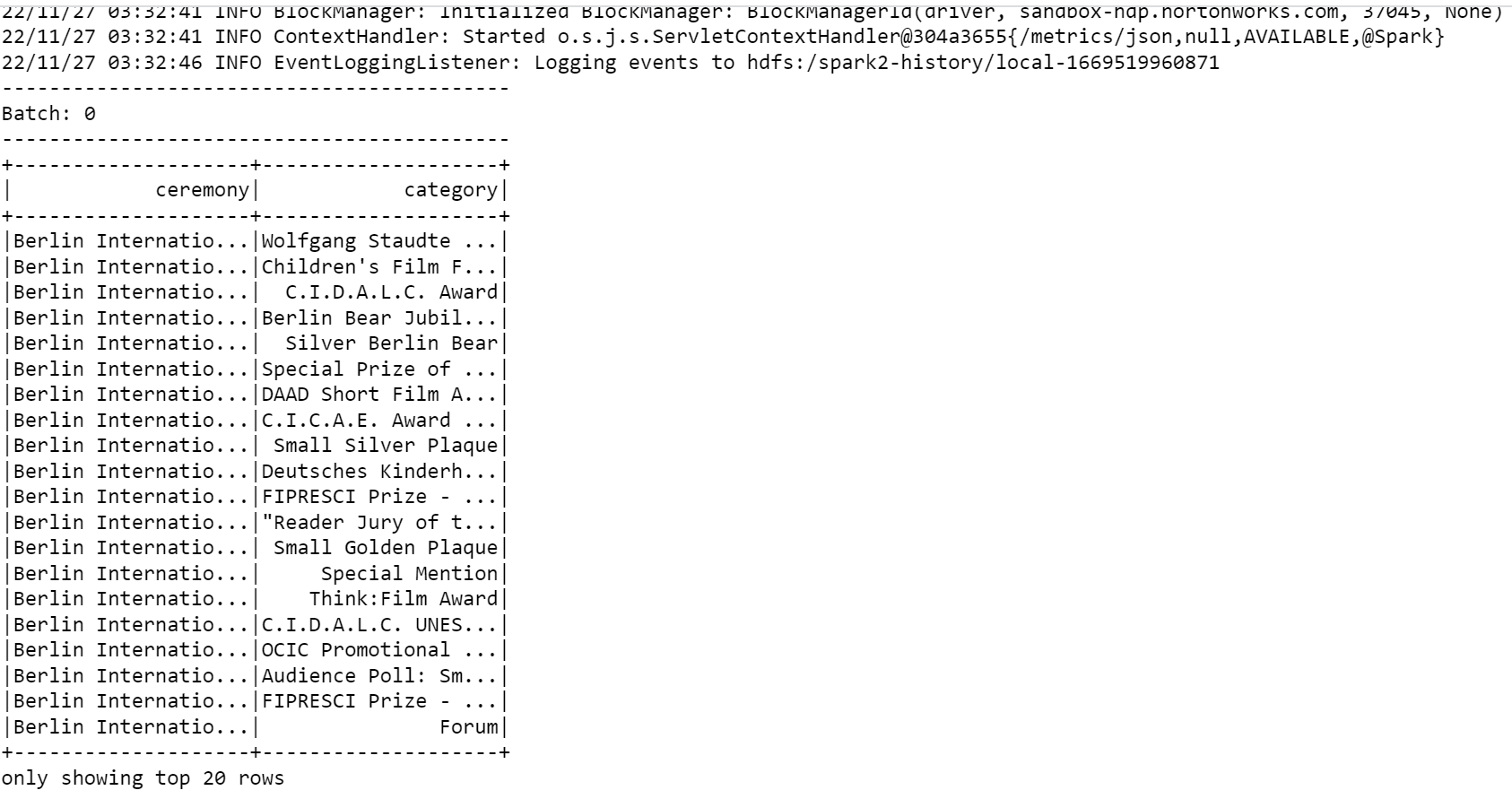
**spark-submit --class "com.awards.awards.AwardsApplication" --master yarn --deploy-mode client awards.jar**



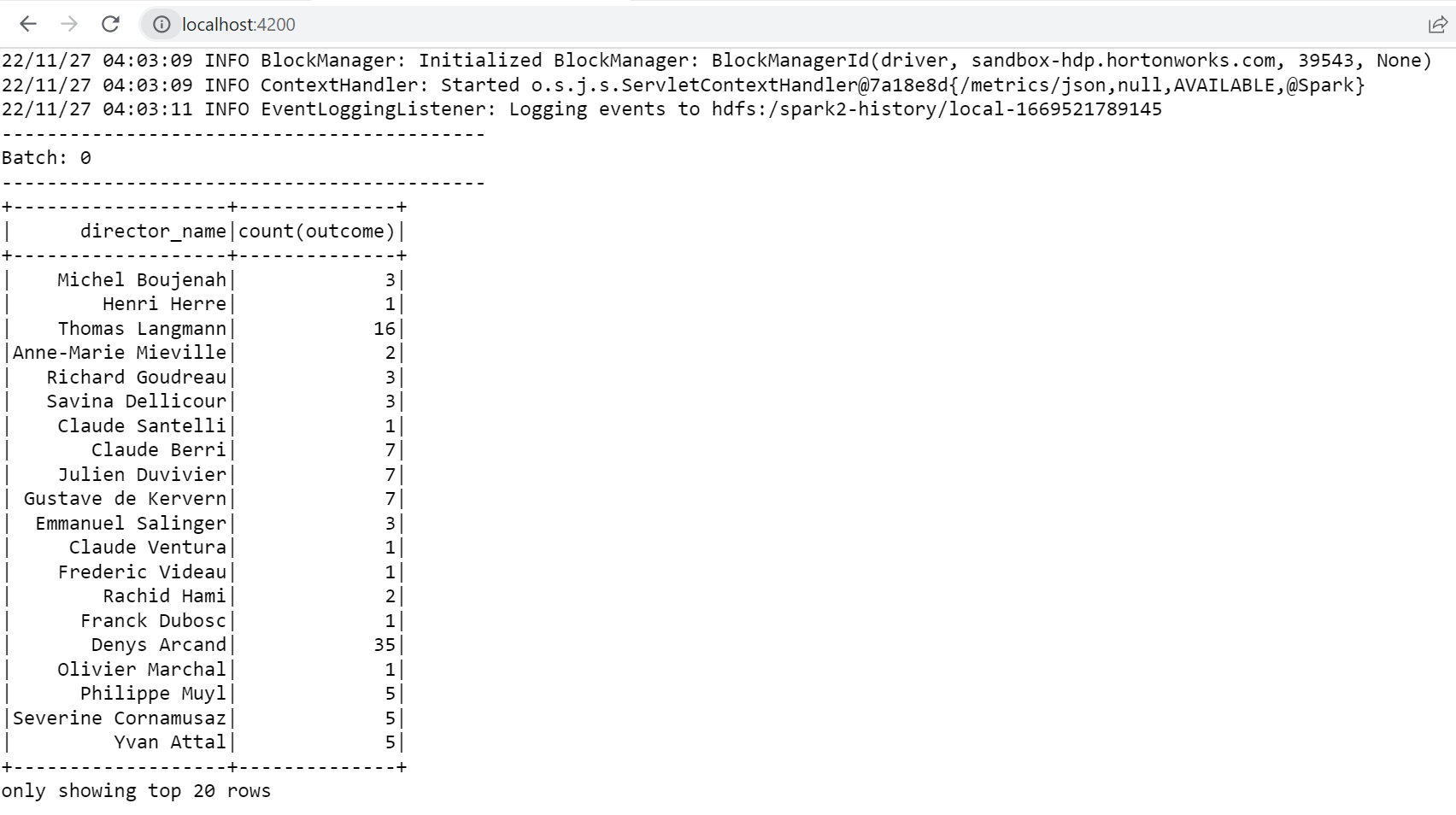
**Que.1 Directors who were nominated and have won awards in the year 2011.**



**Que.2 Award categories available in the Berlin International Film Festival.**



**Que.3 Directors who won awards for making movies in French.**



**Que.4 Directors who have won awards more than 10 times.**

