Download and install latest intellij IDEA community edition

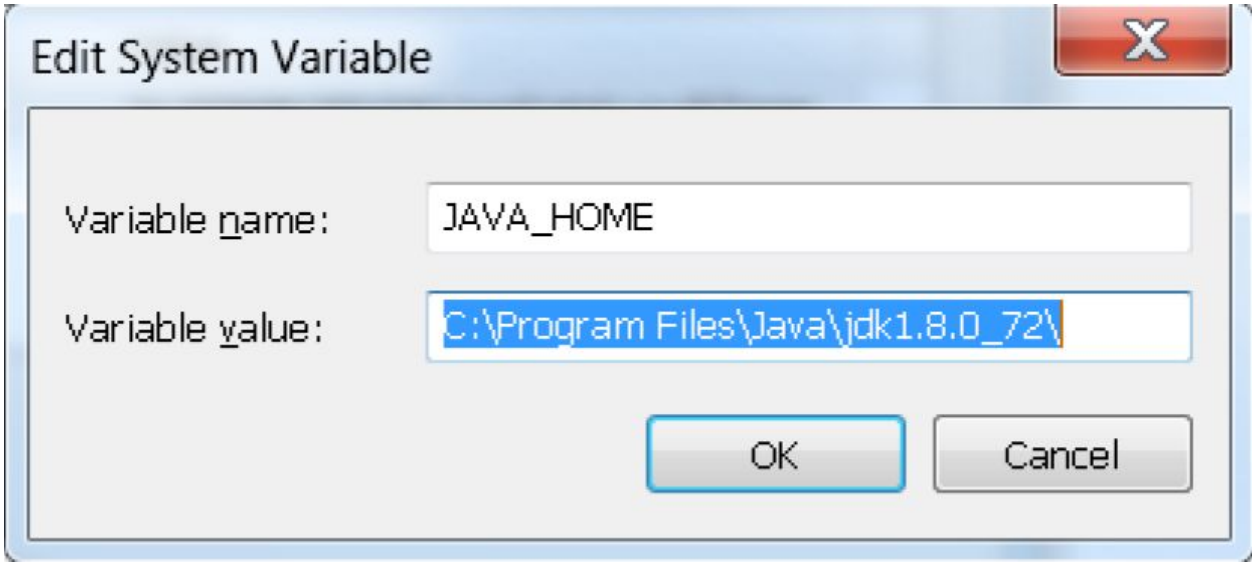
Click the link below for the download:
For windows
https://www.jetbrains.com/idea/download/download-thanks.html?platform=windows&code=IIC
For linux
https://www.jetbrains.com/idea/download/#section=linux

Download and install the latest Oracle/Sun JDK

Click the link below for the download:
http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html

Set up your JAVA_HOME variable

Make sure to set up your JAVA_HOME to: “C:\Program Files\Java\<YOUR_JVM_LOCATION>”, pictured below:



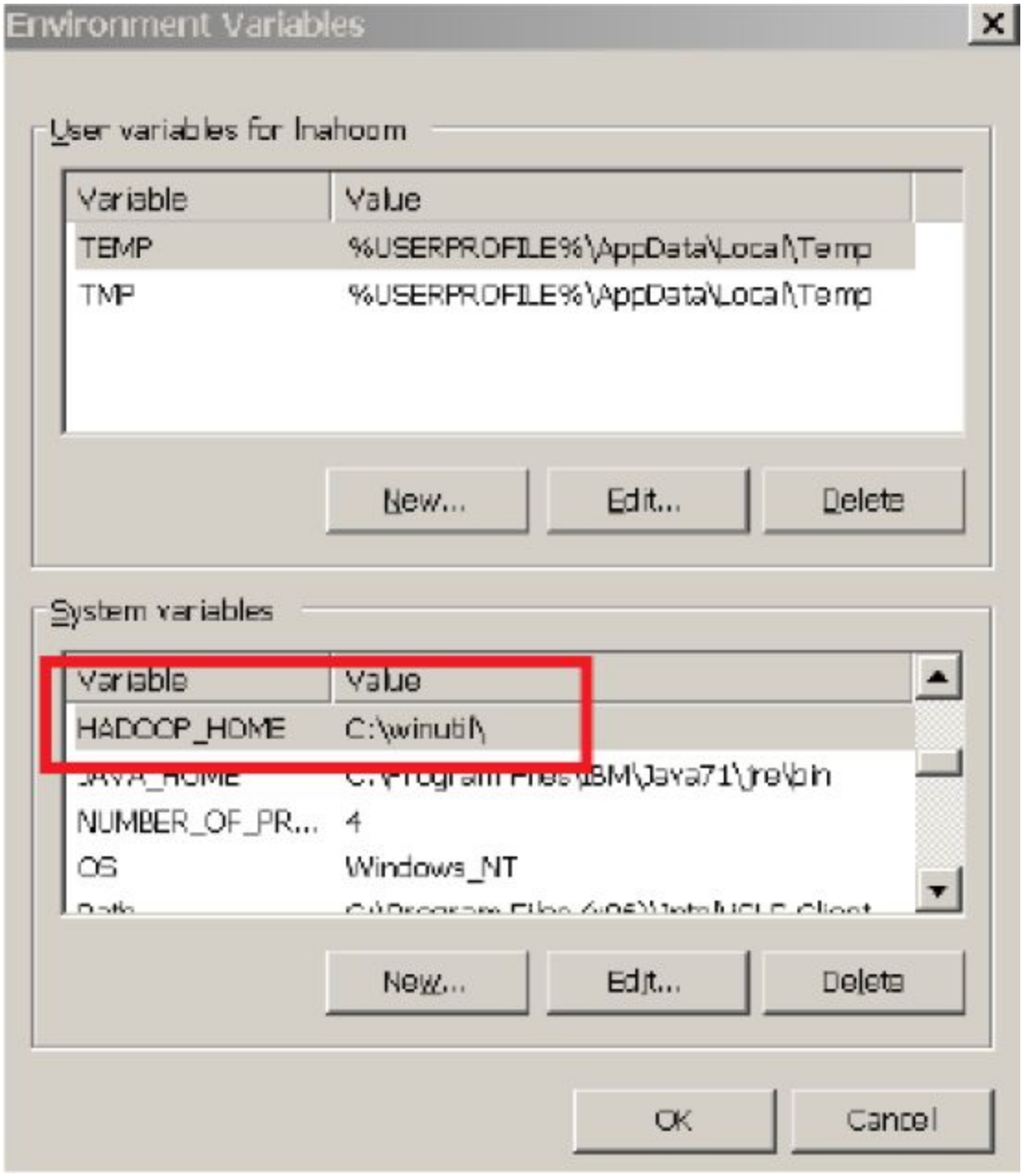
Download and configure winutil (windows only)

Download winutil.exe from here:

http://public-repo-1.hortonworks.com/hdp-win-alpha/winutils.exe

Make the following path on your file system and add the winutils.exe there
C:\winutil\bin\winutils.exe

Create a new Environment variable named HADOOP_HOME and point it to C:\winutil\



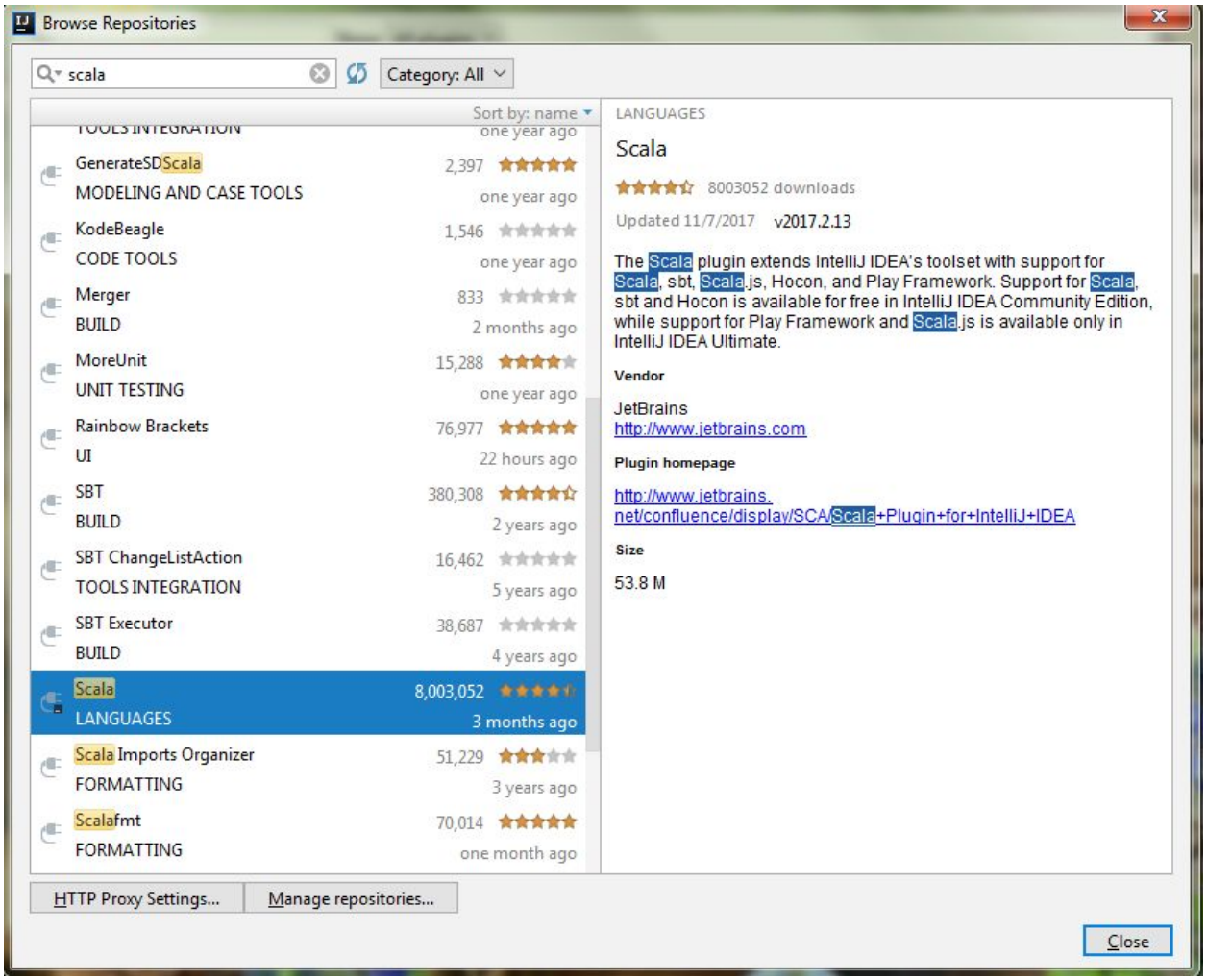
Start intellij IDEA

Skip all configurations at startup and don't install anything. Until you get to the "create new project screen", pictured below:

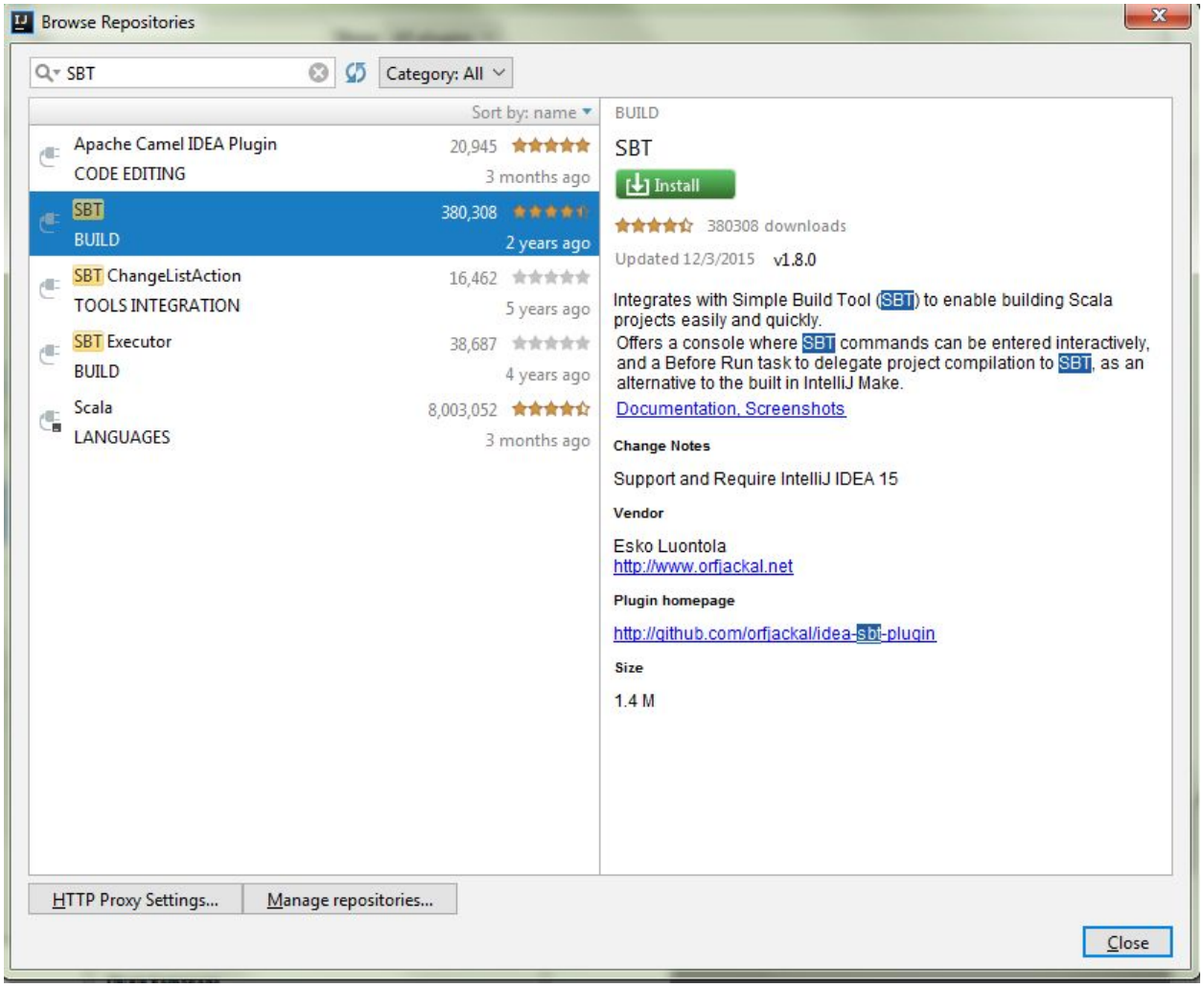
Install Scala and SBT plugins for Intellij

1. On this page go to the configure > plugins Browse Repositories

2. Install Scala Plugin as shown below



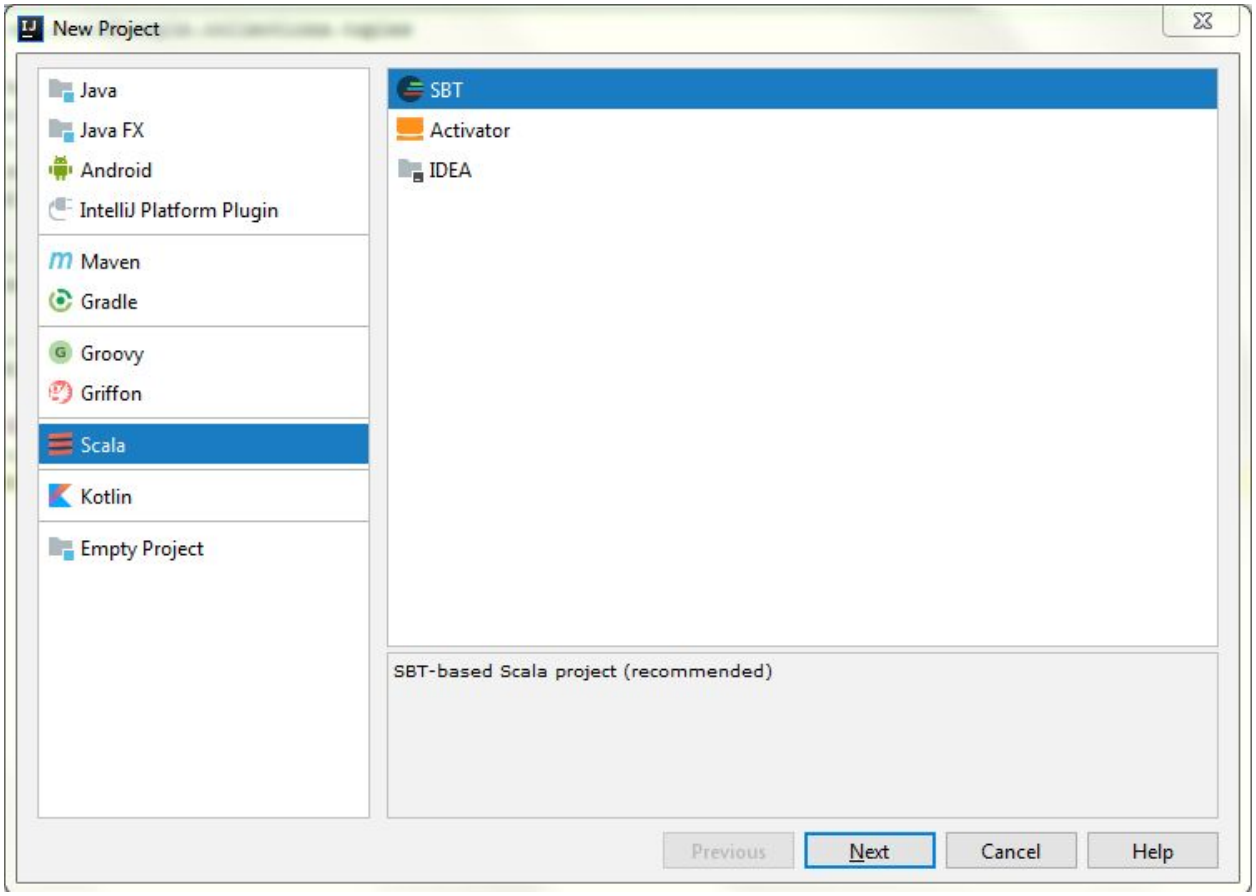
3. Instal SBT Plugin



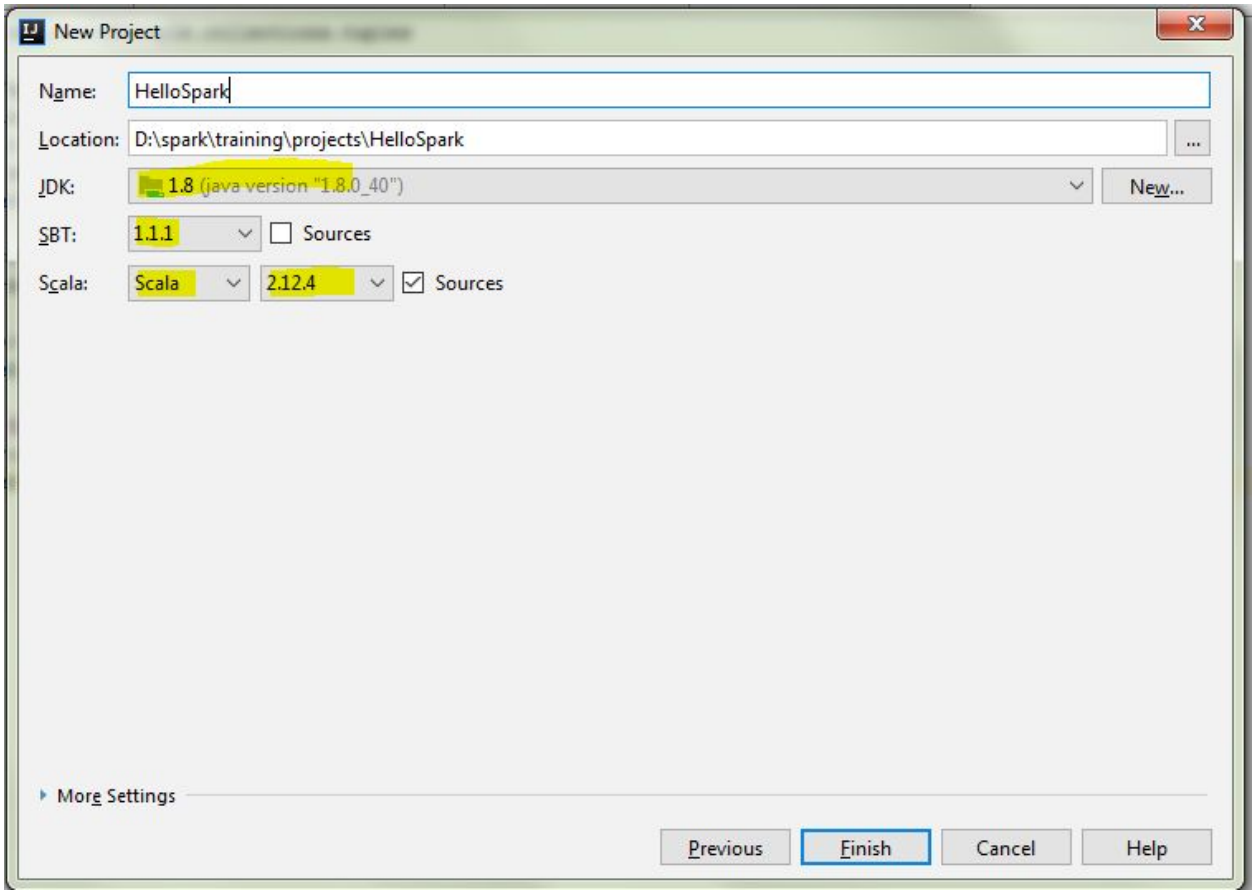
4. Restart intellij IDEA as requested

Create and configure a new Scala and SBT project

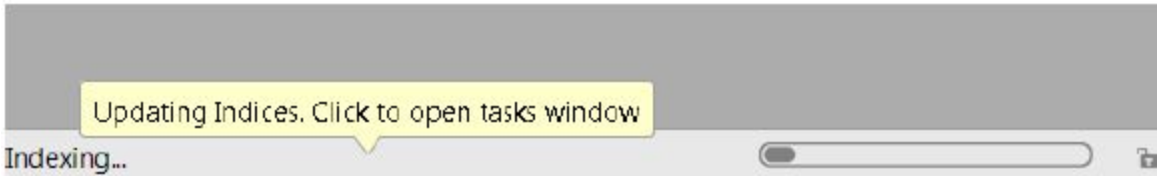
- Create new Scala SBT Project



- Create project with following settings



- Wait for the indexing completion



Configure libraries for the newly created project

Edit build.sbt,enter following and click on refresh project

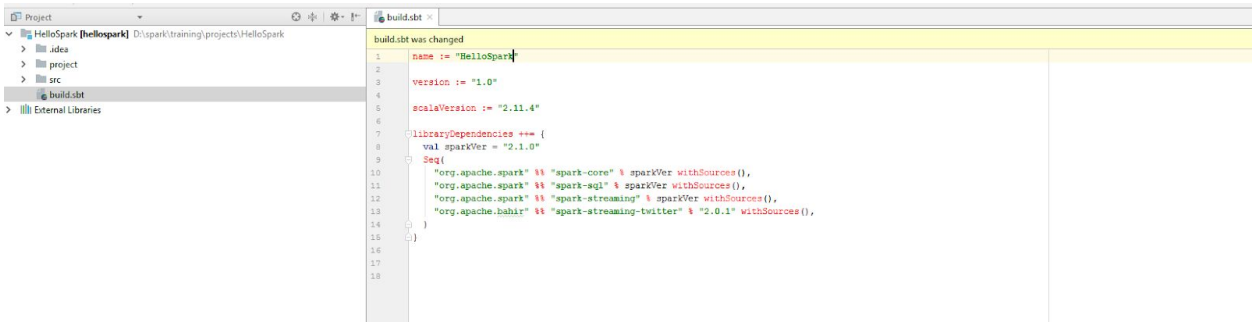
```
name := "HelloSpark"

version := "1.0"

scalaVersion := "2.11.4"

libraryDependencies ++= {
 val sparkVer = "2.1.0"
 Seq(
```

```
    "org.apache.spark" %% "spark-core" % sparkVer withSources(),
    "org.apache.spark" %% "spark-sql" % sparkVer withSources(),
    "org.apache.spark" %% "spark-streaming" % sparkVer withSources(),
    "org.apache.bahir" %% "spark-streaming-twitter" % "2.0.1" withSources(),
  )
}
```



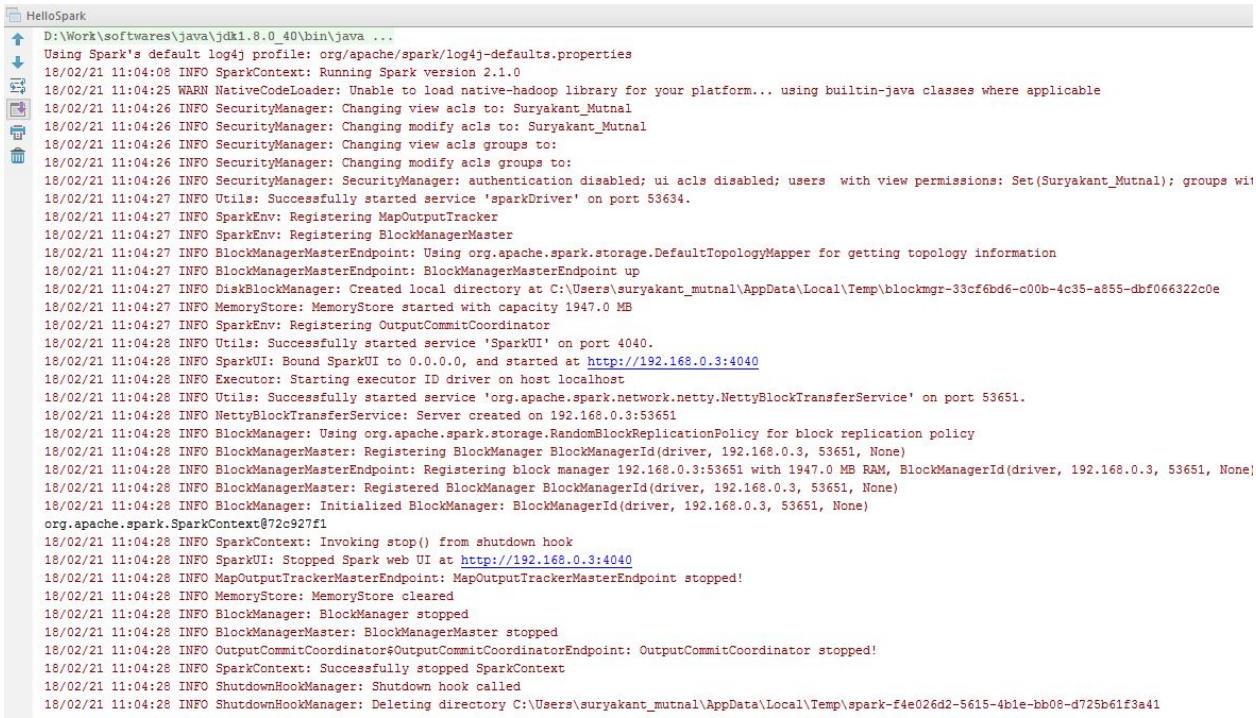
Test your setup

Create new Scala Class and add following code

```
import org.apache.spark.{SparkConf, SparkContext}

object HelloSpark {
 def main(args: Array[String]): Unit = {
   val conf = new SparkConf()
   conf.setAppName("HelloSpark")
   conf.setMaster("local[2]")
   val sc = new SparkContext(conf)
   println(sc)
 }
}
```

Right click on editor and select Run ‘HelloSpark’
You should console like below


HelloSpark
D:\Work\softwares\java\jdk1.8.0_40\bin\java ...
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
18/02/21 11:04:08 INFO SparkContext: Running Spark version 2.1.0
18/02/21 11:04:25 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
18/02/21 11:04:26 INFO SecurityManager: Changing view acls to: Suryakant_Mutnal
18/02/21 11:04:26 INFO SecurityManager: Changing modify acls to: Suryakant_Mutnal
18/02/21 11:04:26 INFO SecurityManager: Changing view acls groups to:
18/02/21 11:04:26 INFO SecurityManager: Changing modify acls groups to:
18/02/21 11:04:26 INFO SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(Suryakant_Mutnal); groups wi
18/02/21 11:04:27 INFO Utils: Successfully started service 'sparkDriver' on port 53634.
18/02/21 11:04:27 INFO SparkEnv: Registering MapOutputTracker
18/02/21 11:04:27 INFO SparkEnv: Registering BlockManagerMaster
18/02/21 11:04:27 INFO BlockManagerMasterEndpoint: Using org.apache.spark.storage.DefaultTopologyMapper for getting topology information
18/02/21 11:04:27 INFO BlockManagerMasterEndpoint: BlockManagerMasterEndpoint up
18/02/21 11:04:27 INFO DiskBlockManager: Created local directory at C:\Users\suryakant_mutnal\AppData\Local\Temp\blockmgr-33cf6bd6-c00b-4c35-a855-dbf066322c0e
18/02/21 11:04:27 INFO MemoryStore: MemoryStore started with capacity 1947.0 MB
18/02/21 11:04:27 INFO SparkEnv: Registering OutputCommitCoordinator
18/02/21 11:04:28 INFO Utils: Successfully started service 'SparkUI' on port 4040.
18/02/21 11:04:28 INFO SparkUI: Bound SparkUI to 0.0.0.0, and started at http://192.168.0.3:4040
18/02/21 11:04:28 INFO Executor: Starting executor ID driver on host localhost
18/02/21 11:04:28 INFO Utils: Successfully started service 'org.apache.spark.network.netty.NettyBlockTransferService' on port 53651.
18/02/21 11:04:28 INFO NettyBlockTransferService: Server created on 192.168.0.3:53651
18/02/21 11:04:28 INFO BlockManager: Using org.apache.spark.storage.RandomBlockReplicationPolicy for block replication policy
18/02/21 11:04:28 INFO BlockManagerMaster: Registering BlockManager BlockManagerId(driver, 192.168.0.3, 53651, None)
18/02/21 11:04:28 INFO BlockManagerMasterEndpoint: Registering block manager 192.168.0.3:53651 with 1947.0 MB RAM, BlockManagerId(driver, 192.168.0.3, 53651, None)
18/02/21 11:04:28 INFO BlockManagerMaster: Registered BlockManager BlockManagerId(driver, 192.168.0.3, 53651, None)
18/02/21 11:04:28 INFO BlockManager: Initialized BlockManager: BlockManagerId(driver, 192.168.0.3, 53651, None)
org.apache.spark.SparkContext@72c927f1
18/02/21 11:04:28 INFO SparkContext: Invoking stop() from shutdown hook
18/02/21 11:04:28 INFO SparkUI: Stopped Spark web UI at http://192.168.0.3:4040
18/02/21 11:04:28 INFO MapOutputTrackerMasterEndpoint: MapOutputTrackerMasterEndpoint stopped!
18/02/21 11:04:28 INFO MemoryStore: MemoryStore cleared
18/02/21 11:04:28 INFO BlockManager: BlockManager stopped
18/02/21 11:04:28 INFO BlockManagerMaster: BlockManagerMaster stopped
18/02/21 11:04:28 INFO OutputCommitCoordinator$OutputCommitCoordinatorEndpoint: OutputCommitCoordinator stopped!
18/02/21 11:04:28 INFO SparkContext: Successfully stopped SparkContext
18/02/21 11:04:28 INFO ShutdownHookManager: Shutdown hook called
18/02/21 11:04:28 INFO ShutdownHookManager: Deleting directory C:\Users\suryakant_mutnal\AppData\Local\Temp\spark-f4e026d2-5615-4b1e-bb08-d725b61f3a41