Project Configuration for Spark Scala

Step 1 - Create a new project

• • •		New Project
Q		
New Project	Name:	SparkProject1
Empty Project	Location:	~/Desktop/ScalaFolder
Generators		
M Maven Archetype		Create Git repository
□ JavaFX	Language:	Java Kotlin Groovy Scala HTML +
Kotlin Multiplatform		
Compose Multiplatform	Build system:	sbt IntelliJ
IDE Plugin	JDK:	19 Oracle OpenJDK version 19.0.1 ▼
▲ Android		
	sbt:	□ Download sources
	Scala:	2.13.10 ▼ Download sources
	Package prefix:	
	✓ Add sample	code
	> Advanced Se	ttings
? Cancel		Create

Step 2 - Configure a sbt file

```
ThisBuild / version := "0.1.0-SNAPSHOT"

ThisBuild / scalaVersion := "2.13.2"

lazy val root = (project in file("."))
   .settings(
    name := "SparkProject1"
)

val sparkVersion = "3.3.1"
// Note the dependencies are provided
libraryDependencies += "org.apache.spark" %% "spark-core" % sparkVersion
libraryDependencies += "org.apache.spark" %% "spark-sql" % sparkVersion
```

Step 3 - Create a scala object to test the first Spark App

```
import org.apache.spark.sql.SparkSession

object Main {
    def main(args: Array[String]): Unit = {
        println("Hello world!")

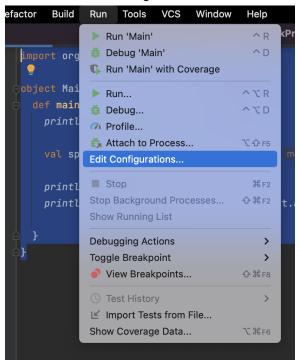
        val spark =
        SparkSession.builder.master("local").appName("SparkByExample").getOrCreate(
        )

        println("First SparkContext:")
        println("APP Name :" + spark.sparkContext.appName)

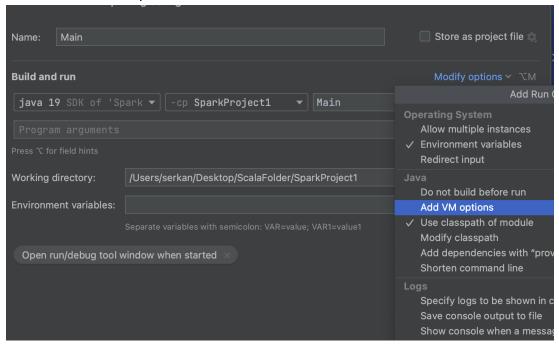
    }
}
```

Step 4 - Change the run configuration

Click to the Edit Configuration

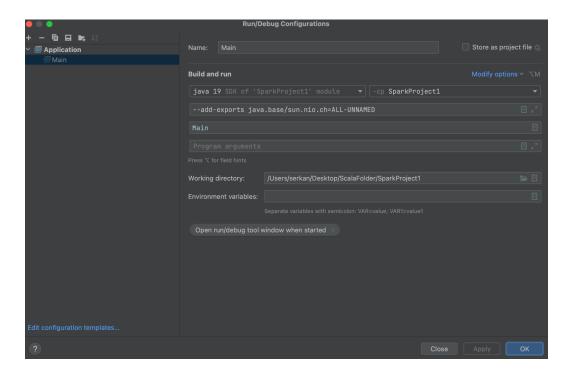


Select the Add VM Option



Add the following line

--add-exports java.base/sun.nio.ch=ALL-UNNAMED



Run the sample code

First SparkContext:
APP Name :SparkByExample