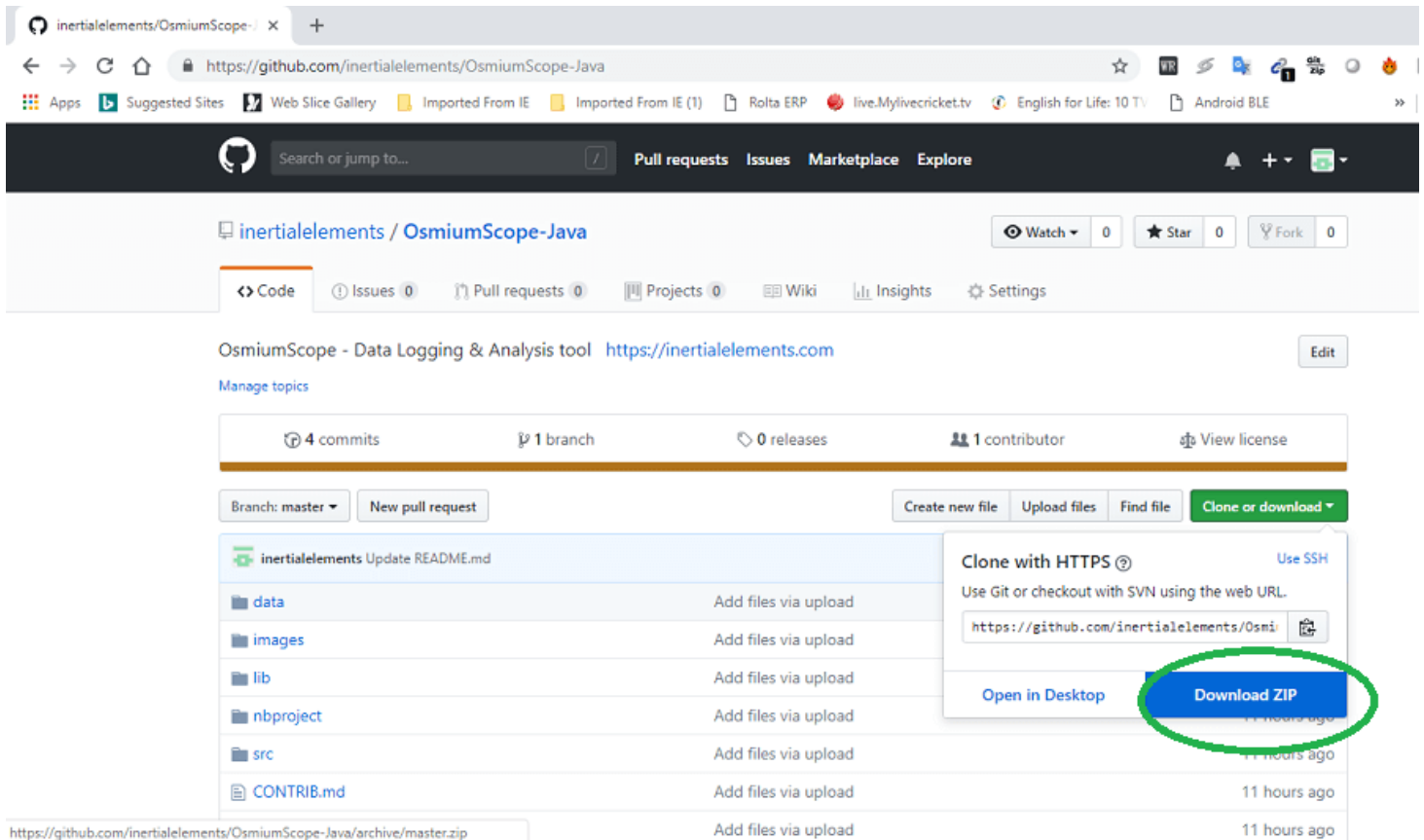
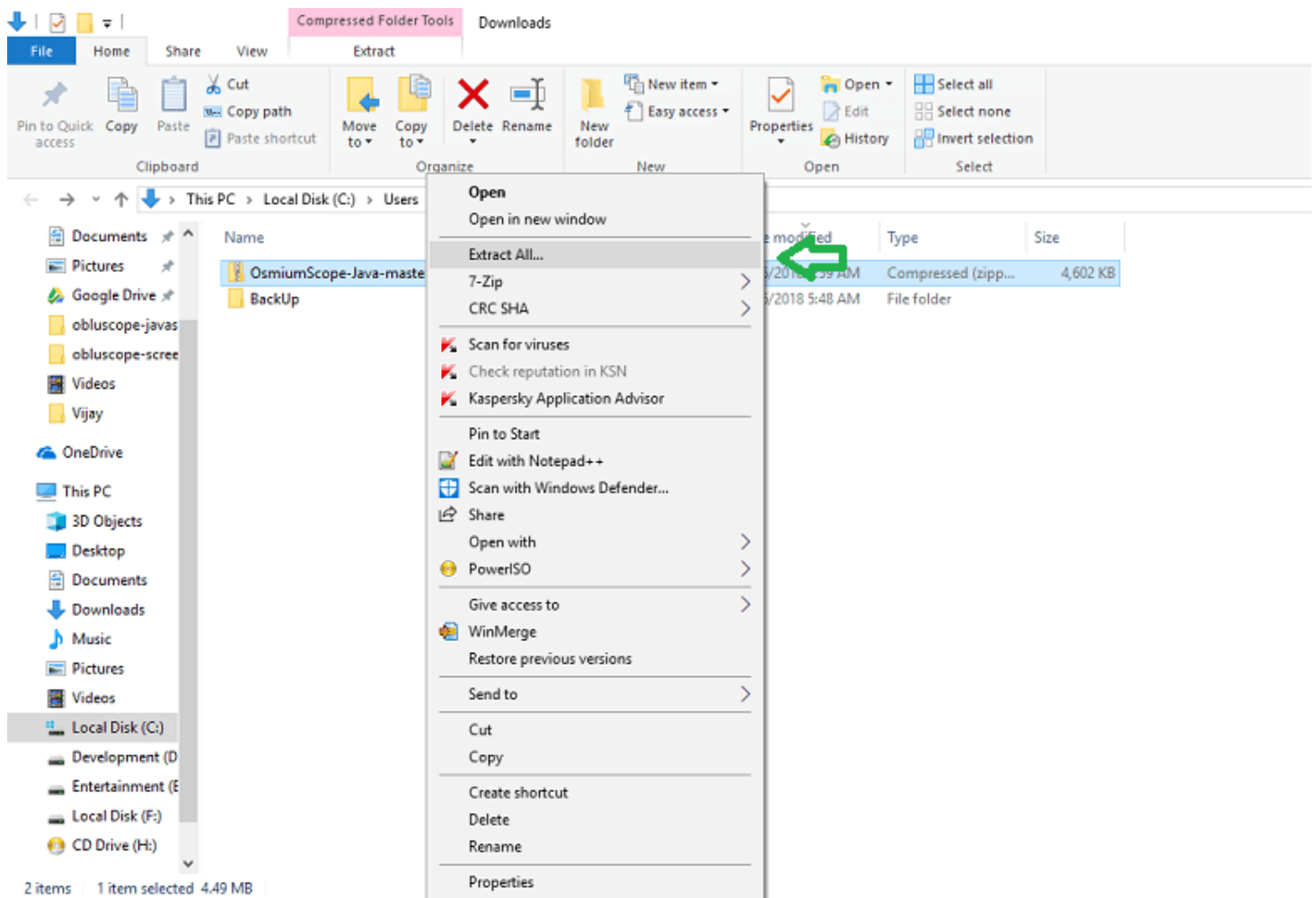


How to run the project in Eclipse IDE

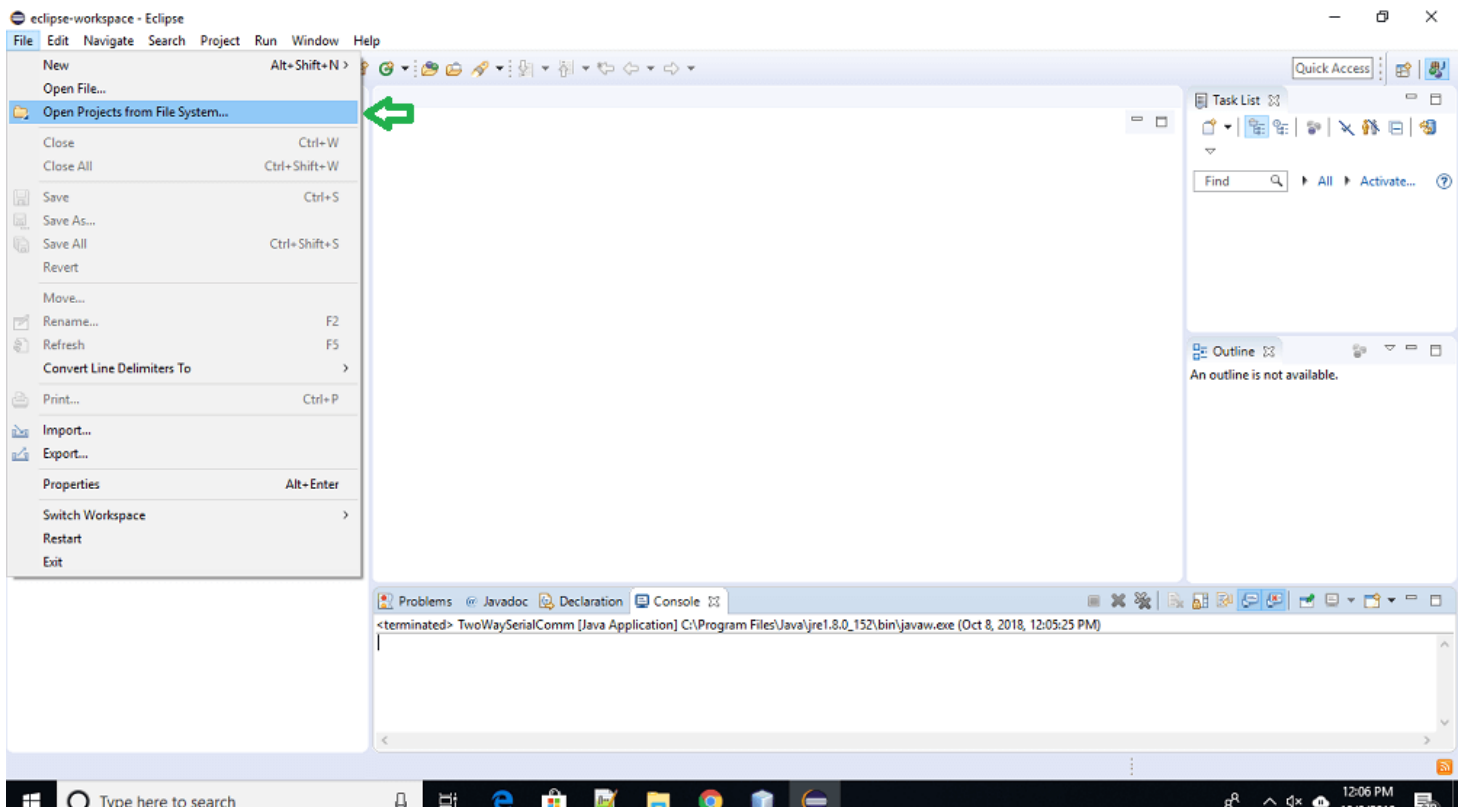
1. Download code from Github (<https://github.com/oblu-iot/OsmiumScope-Java>).



2. Unzip the OsmiumScope-Java -master.zip (e.g. "C:\Users\admin\Downloads\ OsmiumScope-Java -master.zip").



3. Open the Eclipse IDE and click on **File -> Open Project From File System...**

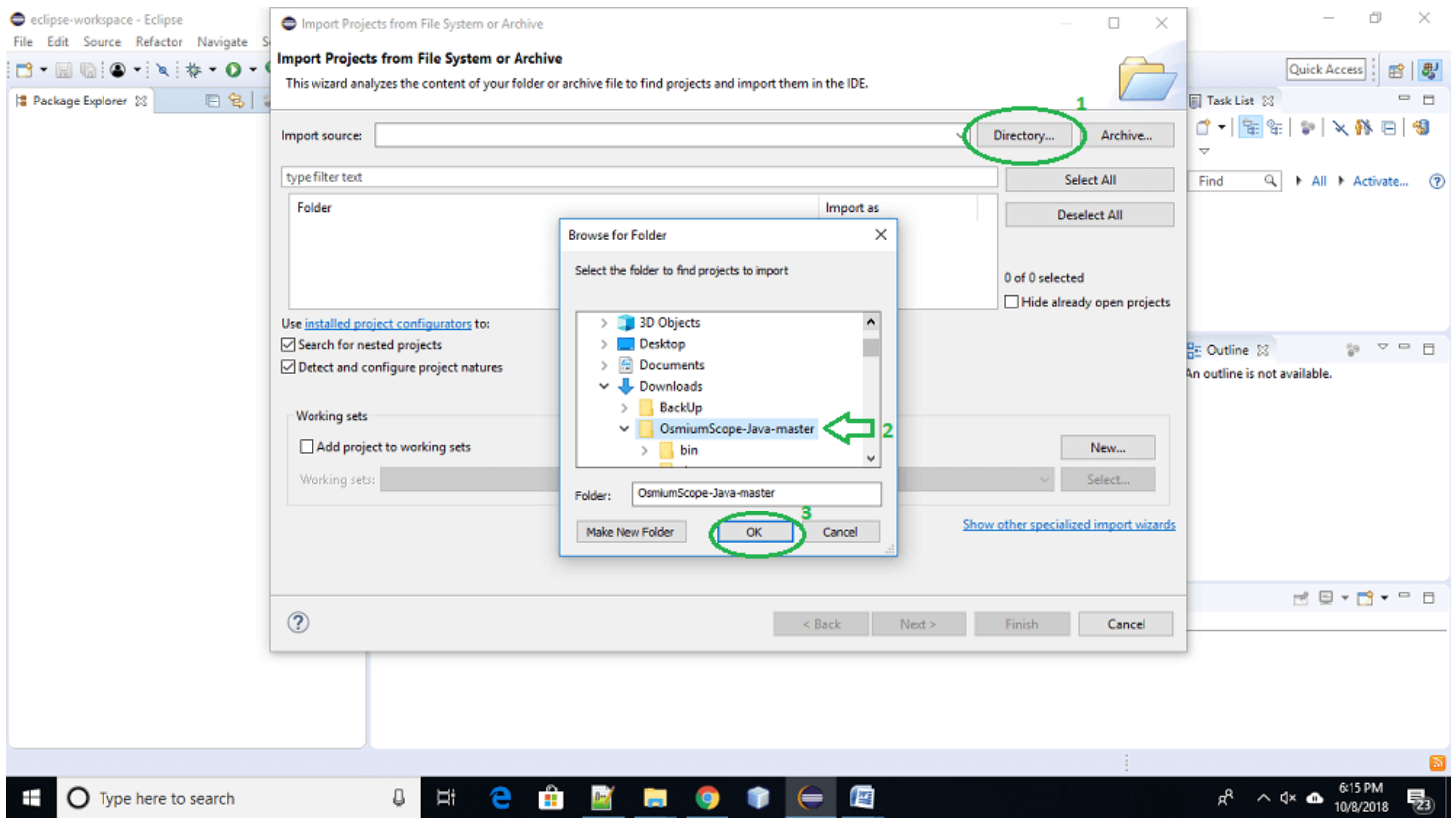


4. Browse to unzip folder "C:\Users\admin\Downloads\ OsmiumScope-Java -master folder".

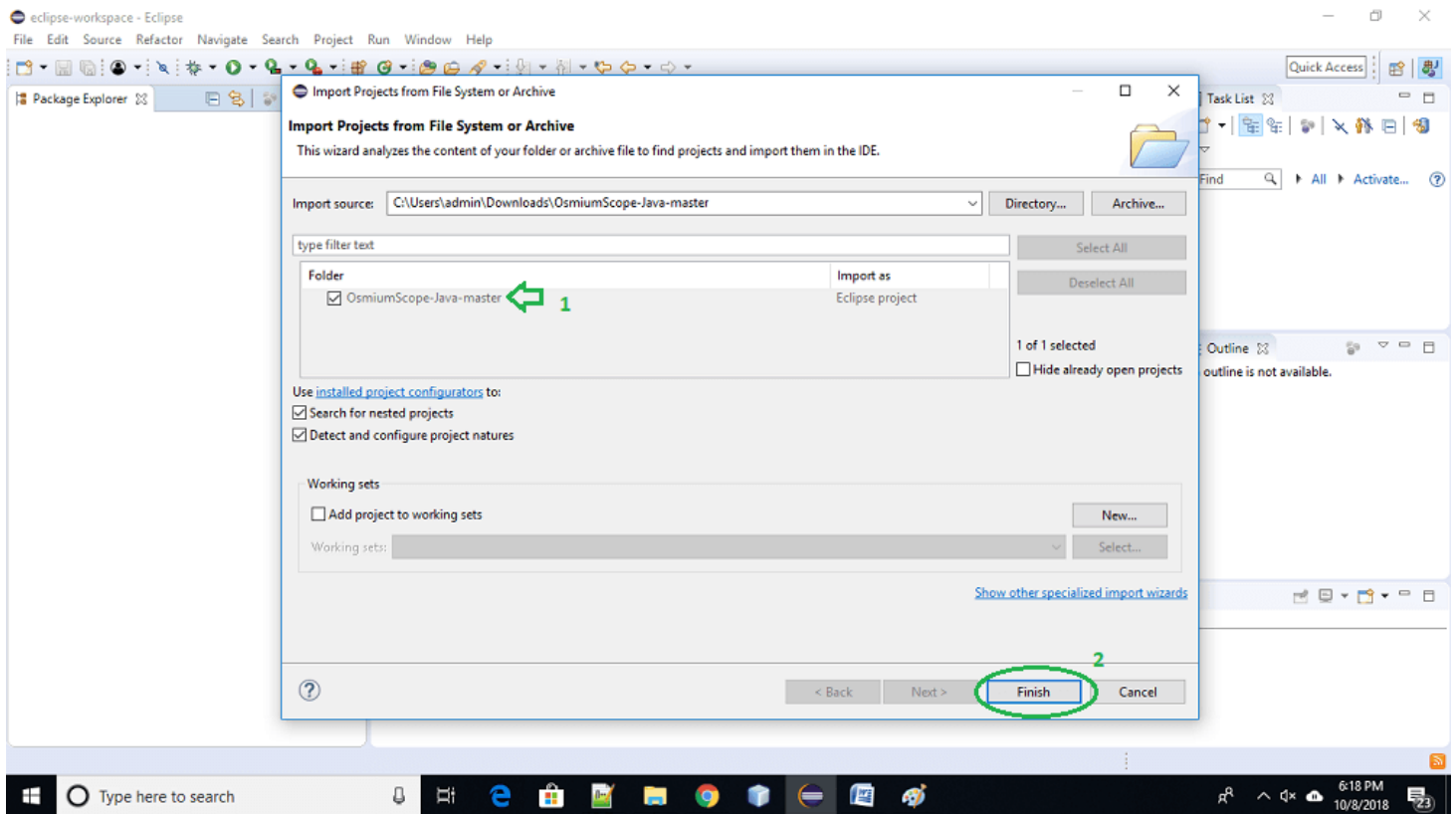
Step 1: Click on **Directory** button.

Step 2: Navigate to folder "C:\Users\admin\Downloads\ OsmiumScope-Java -master" folder.

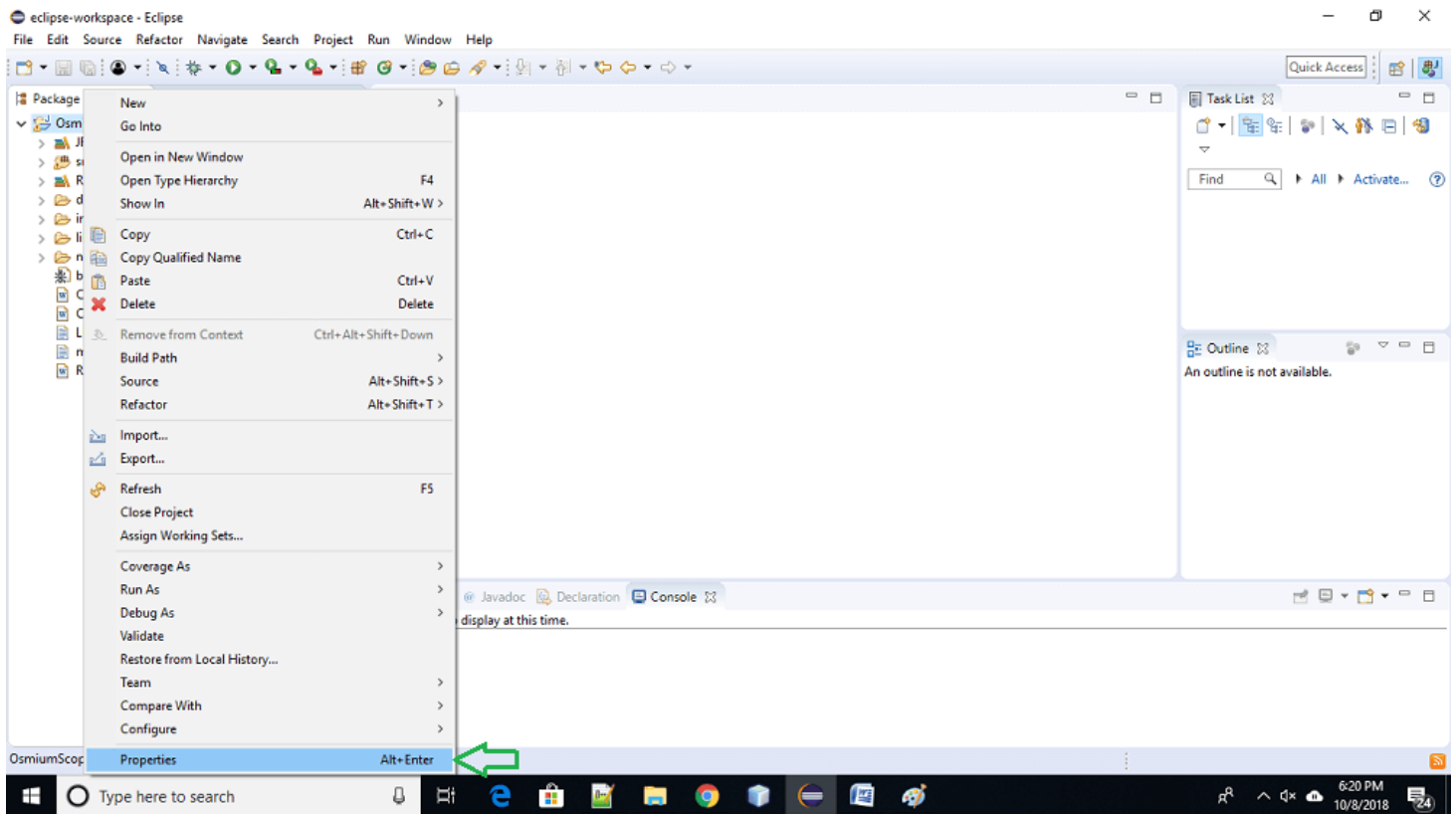
Step 3: Click on **OK** button.



5. Select project **“OsmiumScope-Java -master”** and click on **OK** button.



6. Now project is imported. Right click on project and select **Properties**.



7. Follow below steps to link to RXTX native library.

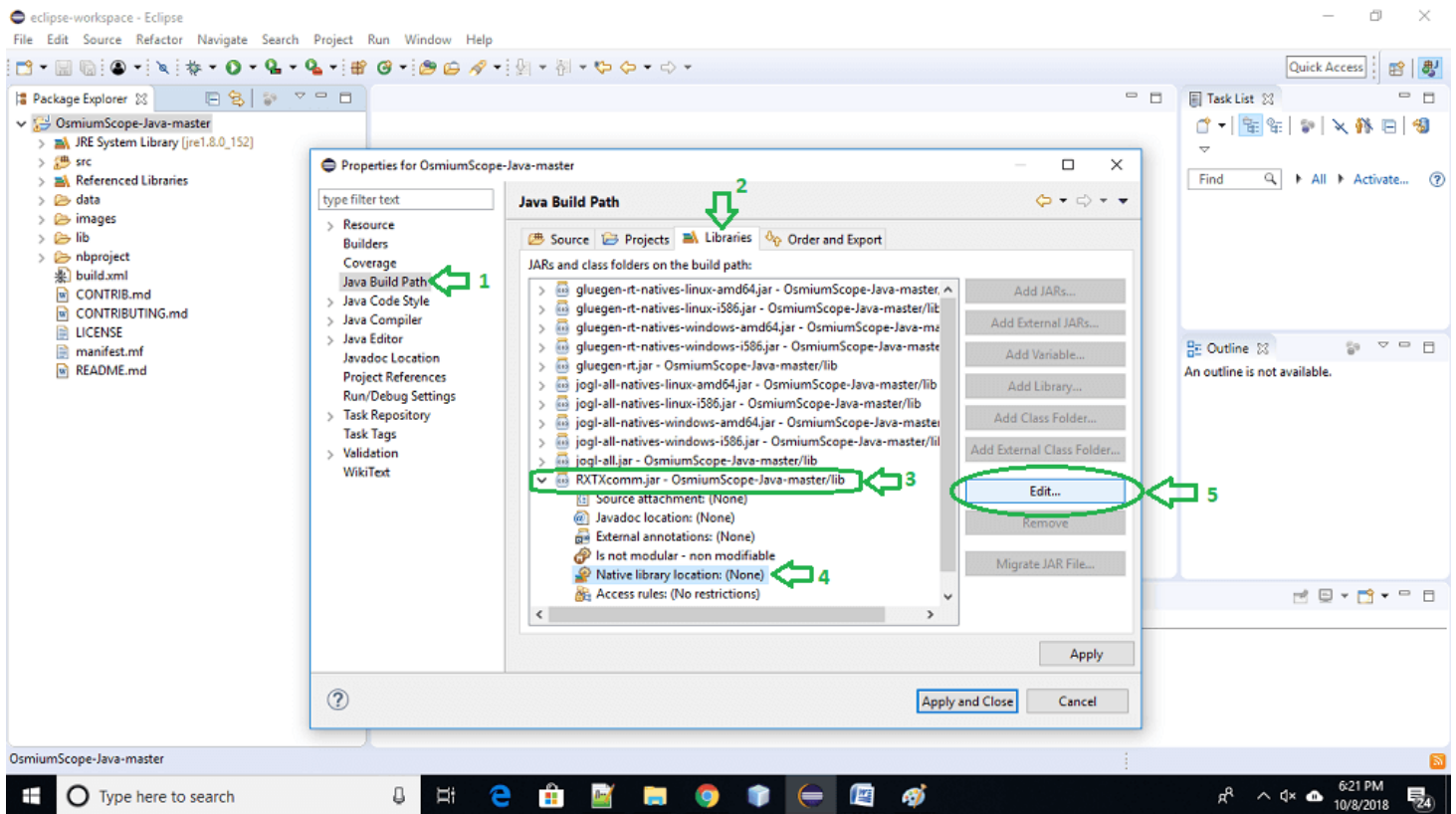
Step 1: Select "Java Build Path".

Step 2: Select "Libraries" tab.

Step 3: Expand the "**RxTxcomm.jar**".

Step 4: Select "Native Library Location" under RxTxcomm.jar

Step 5: Click on **Edit** button. Dialog box "**Native Library Configuration**" will be popped up.

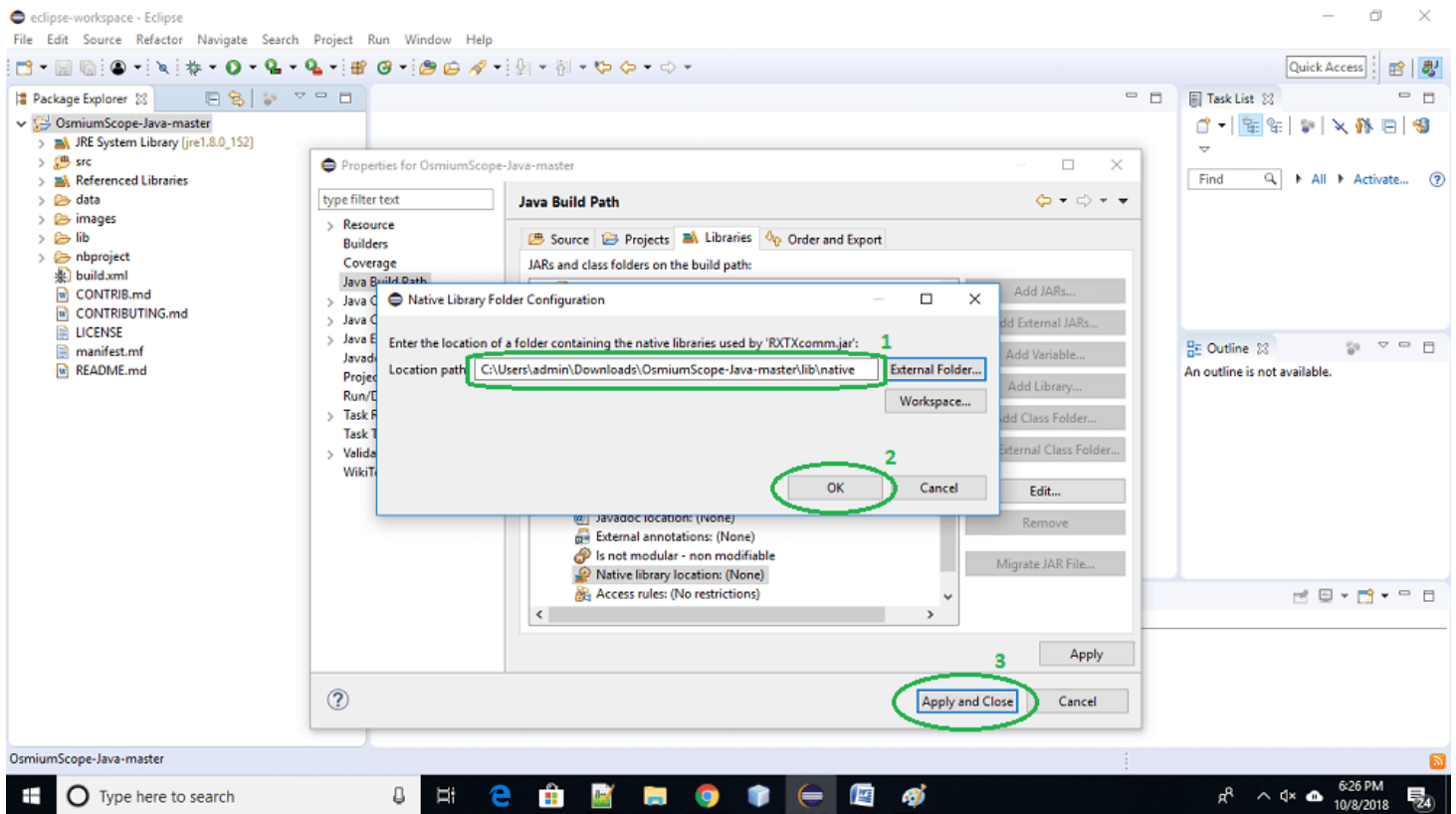


8. Set the RXTX native library path by following below mentioned steps

Step 1: Set the **Location path** to RxTx native library folder e.g. C:\Users\admin\Downloads\ OsmiumScope-Java-master\lib\native.

Step 2: Click on **OK** button.

Step 3: Click on "Apply and Close" button on "Native Library Configuration" dialog box.



9. Connect your device (MIMU22BL) using USB cable.

10. To find the serial port's name , refer the <https://www.inertiaelements.com/oblu/resources/how-to-find-serial-port.pdf>

11. Open **config.properties** and change the value of parameter **com.rotate.serialport** as you get in Step # 10. Change the data sampling frequency by changing the value of **com.rotate.outrate** but its value must be one of the following values.

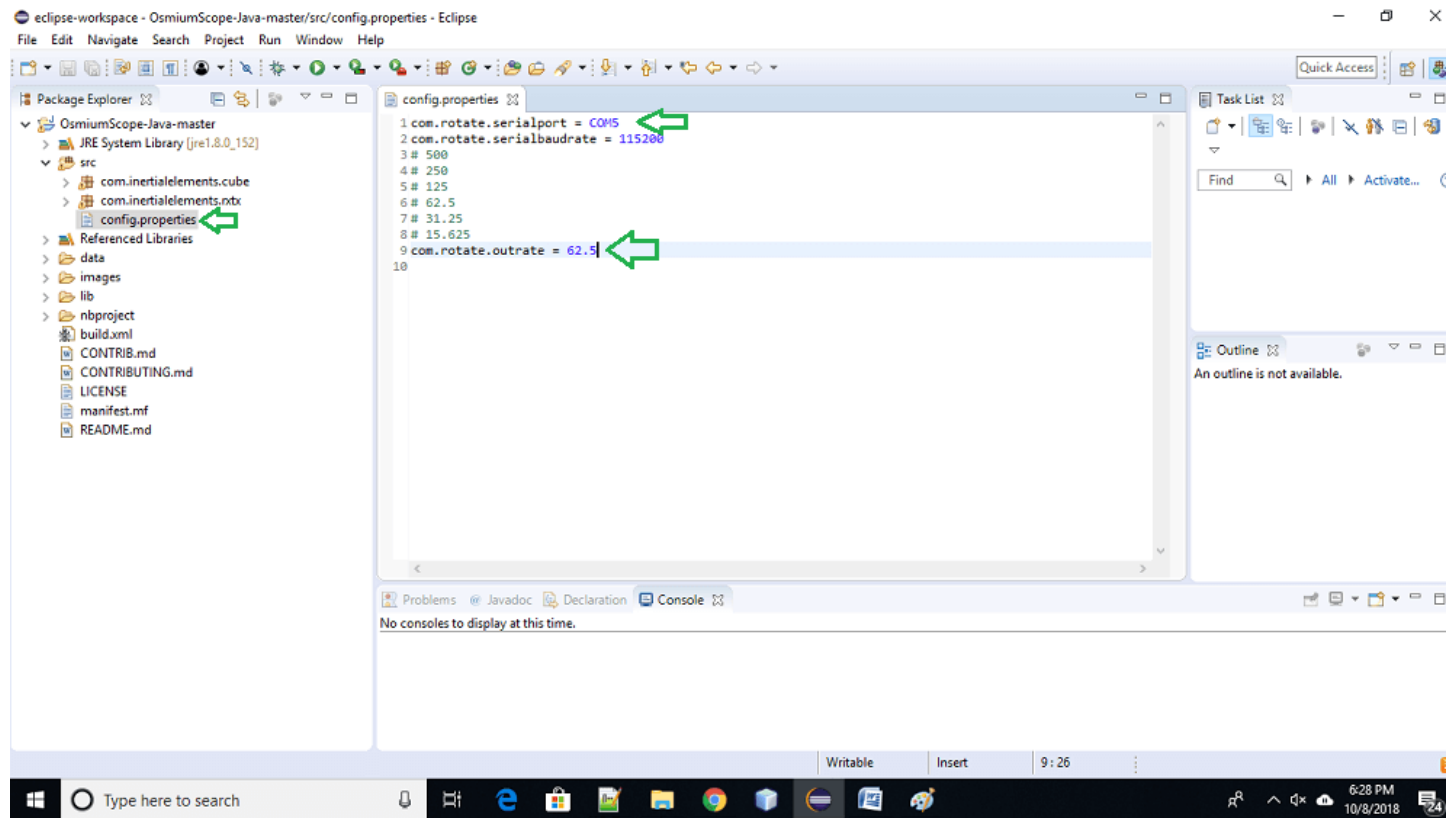
250

125

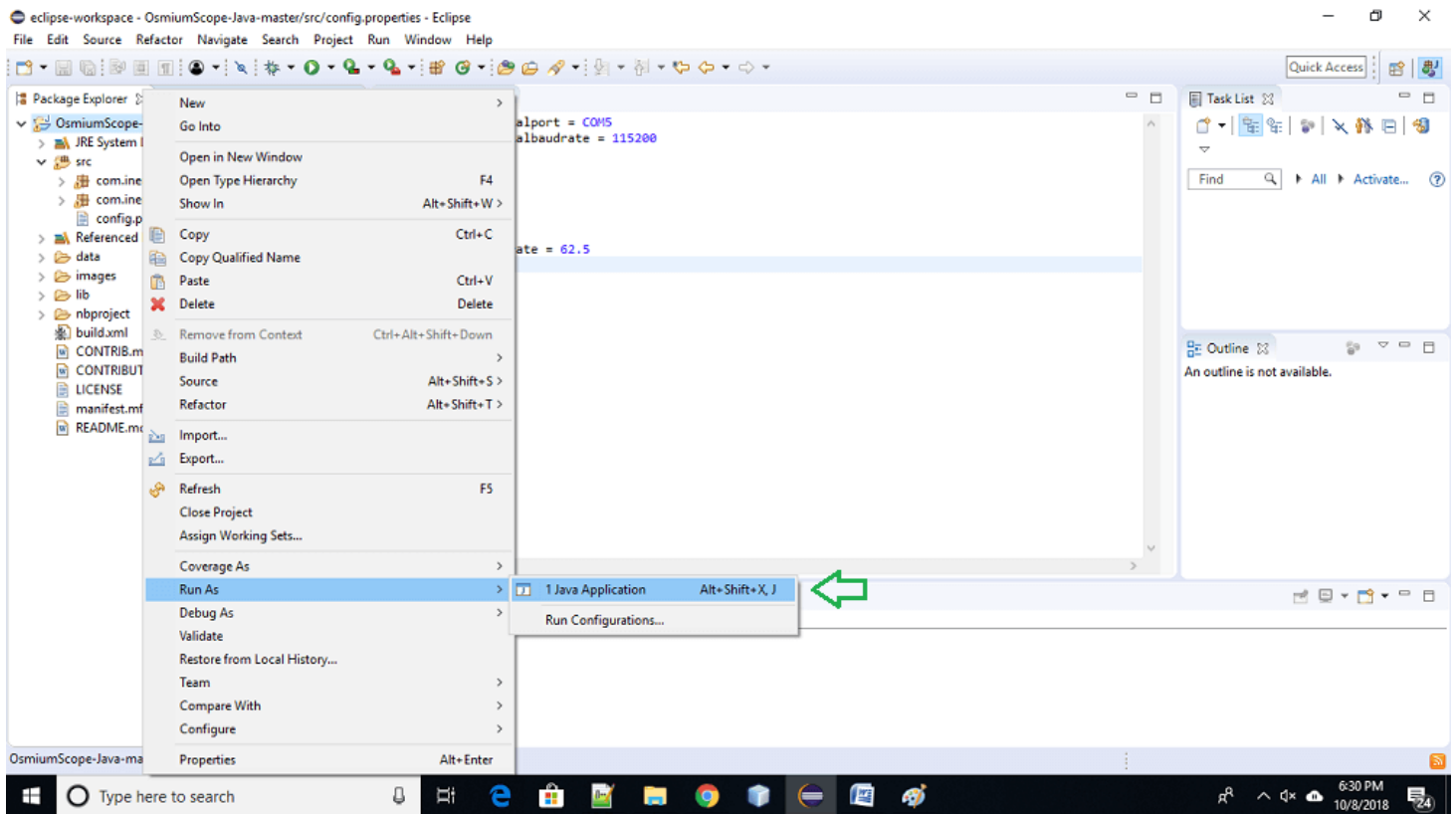
62.5

31.25

15.625



12. Now run the project by right clicking on “OsmiumScope-Java -master” project, then select **Run** and choose **Java Application**.



13. Select “TwoWaySerialComm” from list and click on OK button.

