1. Switch to Admin
2. File Explorer – View – check Hidden items
3. Download and install 7zip
4. Make sure there is at least 3GB space on hard drive
5. JDK and JRE version 8
   1. Find location of JRE and JDK bin files
      1. C:\Program Files\Java\jre1.8.0\_181\bin
      2. C:\Program Files\Java\jdk1.8.0\_181\bin
   2. If missing, Google “JDK/JRE version 8”. Download and install from Oracle.
   3. Start – “Environmental variables” – System variables
   4. Edit Path to include the two bin locations for JRE and JDK
6. Config file
   1. Check location in workbench
   2. Instance – Connection – Configuration File location
   3. %ProgramData%\MySQL\MySQL Server 8.0\my.ini
      1. C:\ProgramData\MySQL\MySQL Server 8.0\my.ini
   4. Edit my.ini in Sublime
   5. Find line for password and change to native password
      1. Be careful in editing this file!!
      2. “default-authentication-plugin=mysql\_native\_password  
         collation-server = latin1\_german1\_ci  
         character-set-server = latin1”
7. Restart MySQL Services
   1. Start – “Services”
   2. Find MySQL80, Stop and then start the service
8. Download Talend for Big Data
   * 1. Talend.com/downloads
     2. Windows version
     3. Zip file will download
     4. Extract file using 7-zip
        1. Do not pause or cancel extraction!
9. Setup Talend
   1. Open Talend from Download folder
   2. Import a Demo Project – Big Data Demo – Give it a desired project name
   3. Call project “Demo\_Exercise”. Add a description
   4. Let it complete checking for extra features
   5. Get a pop up to install required additional packages – Accept all
   6. Windows – Preferences – Java - Installed JREs
      1. Connect to JRE folder
      2. Make sure it is checked – OK
10. MySQL exercise
    1. Create a MySQL Database connection
       1. Under Metadata, right click DB Connections – Create connection
       2. Define a name, purpose, and description – Next
       3. DB Type is MySQL
       4. DB Version is MySQL 8
       5. Confirm in Workbench, the Login and password; enter the login and password
       6. Server is “localhost” and port is “3306”
       7. Enter name of desired database
       8. Test Connection to confirm the settings
       9. Click Finish
    2. Setup schema
       1. Find the database connection under Db Connections in Metadata
       2. Right click the MySQL defined connection – click Retrieve schema
       3. Next – Select All (to select all table schemas) – Next – Finish
    3. Create a Job
       1. Right click on Job Designs, select Create Job
       2. Define a name, purpose, and description
       3. Click Finish
       4. The job will be setup and the palette will be available