**Requirements:**

* PyCharm – version 9.0 (or above) for both Python and PySpark Programming.
* Python – version 3.7
* Mongodb shell version v3.4.7

For Python MongoDB code – Log-Analyzer.py, Database\_Operations.py

* mongodb connection

for connecting use below comments in command prompt

mongod --dbpath C:\data --> db folder set up  
mongo --> start MongoDB

For PySpark Analytical code – Log-Enabler.py, Modified-logenabler.py

* We must add the spark library to the Project Structure

File -> Settings -> Project Structure -> Add Content Root -> path for Spark\python\lib

File -> Settings -> Project Structure -> Add Content Root -> path for Spark\python\pyspark

* Install required packages like pandas, matplotlib, xlrd (excel reader), xlwt (excel write), seaborn.