

## 1. Download the Code from GITHUB

1. Download the project from GITHUB using eclipse plugin. Repository URL is <https://github.com/aravindk7/fundReport.git>
2. Alternatively, by accessing the URL: <https://github.com/aravindk7/fundReport> , click “Clone or download” option and click “Download ZIP” option.

## 2. Building the project

Prerequisites:

1. Maven should be installed.
2. Ensure MVN\_HOME and JAVA\_HOME is set in class path.
3. Since the project is based in Spring Boot, it will download all the dependent jar files from external Artifactory. Please configure proxy if any.

Building the project from eclipse with STS plugin:

Import the project as existing maven project.

To build the fat jar file (Run the below command from eclipse or command prompt):  
mvn clean install

- Jar file will be in <local repo>\repository\com\lonsec\fundreport\0.0.1-SNAPSHOT\ fundreport-0.0.1-SNAPSHOT.jar
- Unit Test cases will be automatically executed during build. Reports are available in fundReport\target\surefire-reports

## 3. Running the project

Running the application from command line

```
>java -jar fundreport-0.0.1-SNAPSHOT.jar
```

*Enter the Option (1/2/3):*

- 1 - To Process the input files (**Give a csv file location or folder containing all CSV files**)
- 2 - To Generate Monthly Performance File
- 3 - To Exit

Note: Report file will be generated in the same location as the jar file

Running the application from Eclipse with STS plugin:

Select com.lonsec.App.java and run as → 3 Spring Boot App

## 4. Assumptions

- Assumption is made to design this as batch application.
- Data will be retained only for single run.
- Detailed error handling is not done.

## 5. Application Overview

- Application is built using Spring Boot.
- All the configurations for excess value and out Performance text is externalized to application.properties. This is part of jar file but it can be externalized as well.
- Embedded H2 data base is used. To view the data after option 1 use the web console
  - URL : <http://localhost:8082/>
  - JDBC URL : jdbc:h2:mem:testdb
  - User Name: sa