# Tick Stack

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Link of Source Repository: https://github.com/PadmakshiMazumder/End-Term-Project

Step wise Description:

1. We first create all the necessary files such as the compose.yml, telegraf.conf.
2. The NOAA_data.txt is taken from the repository
   https://gist.github.com/Maihj/5ee8f25aa025671be49e56a1329db38e
3. After that we run the pose file with the command "docker-compose up".
4. This creates a network for the communication between the application.
5. Open the localhost:8888 where the Chronograph is live now.
6. In the explorer tab we can give any query such as "SELECT "water_level" AS "mean_water_level" FROM "test"."autogen"."h2o_feet"" which will load all the related queries.

List of All the Security Measures:

1. Only the ports 8888 and 8186 have been exposed.

Contribution by each team member: Only one member.

Link to Youtube: https://youtu.be/rsBe-BaRsYA

References:

- https://www.docker.com/blog/managing-tick-stack-with-docker-app/
- https://betterprogramming.pub/the-tick-stack-as-a-docker-application-package-1d0d6b869211
- https://tsql.tech/a-self-deployable-tick-stack-for-ingesting-data-monitoring-and-alerting-for-any-service-including-sql-server/