

Internet of Things: Assignment # 3

- This assignment is for a total of 20 points.
- Submission deadline is **22 October, 8 PM**. You may submit until three days after the deadline with a penalty of 10% for each extra day. So, start working early.
- Don't discuss the assignment with peers.
- Upload the command prompt output positively in a PDF on the Canvas.
- **Submissions violating above instructions will face penalty of 5 points for each violation.**

While working on this assignment, **copy paste** the command prompt contents (both commands and the command output) to a text file. Later, you may convert the text file to a PDF and submit it for the evaluation. Further, I will check your installation during the project evaluation week (i.e, November 15 week). **Make sure that you keep the TimescaleDB on your machine until the end of the semester. I will ask you to run several commands during the evaluation.**

Install TimescaleDB¹ database in your machine and then perform the following operations

1. Create a database with a name, "Weatherdata" [2 pts]
2. Within "Weatherdata", create a hypertable with a name, "weather_table" [3 pts]
3. Insert the attached CSV (i.e., weather_data_2sites.csv) file in the weather_table **one row at a time**. In the CSV file, the timestamp column is in UNIX time format so convert this column in proper Date time format ("dd/mm/yyyy hh:mm:ss") before inserting in the database. You may use any other utility/script for the conversion. [10 pts]
4. Print first five and the last five rows of the "weather_table" [5 pts]

¹<https://docs.timescale.com/latest/getting-started/installation>