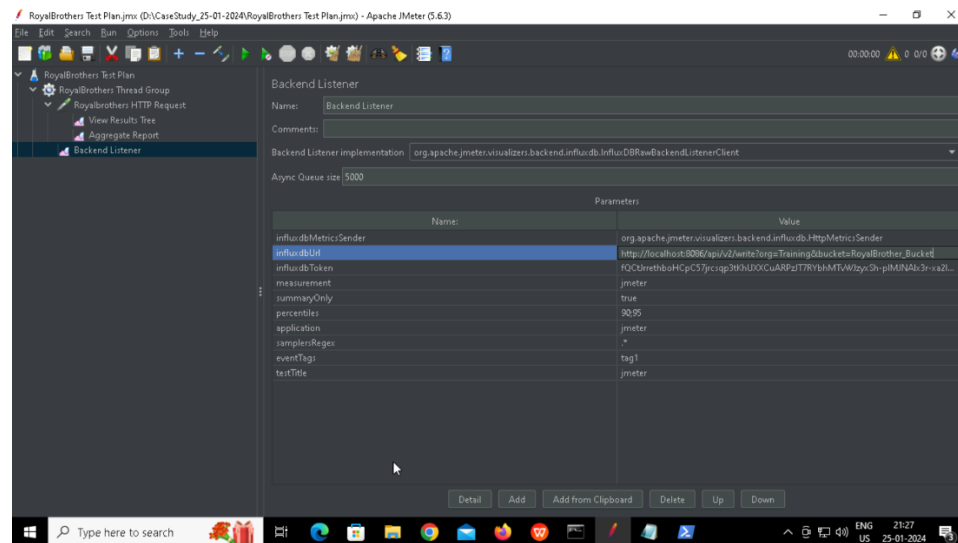# CaseStudy Detailed Explanation

1. Creation Of JMeter Thread and Http Request with proper listeners.
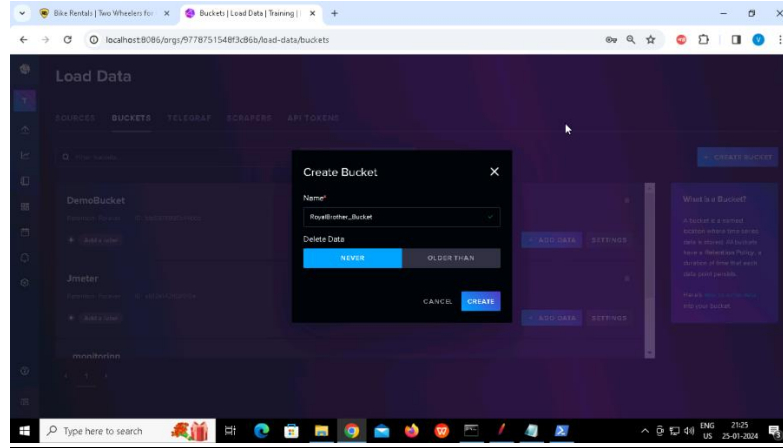
➢ Here I am creating a test plan in JMeter and add Thread Group with 5 users.

➢ Then inside the thread group I am creating Http request with View result tree, Aggregate report Listeners.

➢ The aggregate report I saved as a csv file because this csv file I also use in Grafana for setting csv config data source.

➢ Then I am added extra one listener that is Backend listener. It is for connecting my influx dB for reading data from JMeter through influx.

➢ For that inside the backend listener we have to provide some conditions .Below I am attaching the screen shot of that.
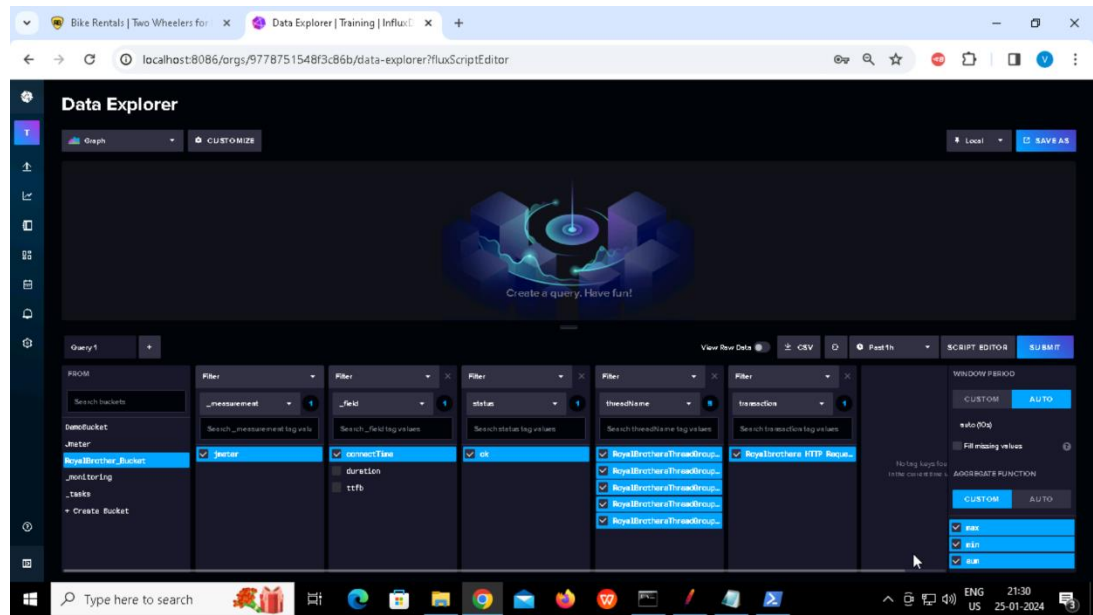

➢ After completing these step, we have to run the JMeter then going to influx db. to check whether the data is comes or not.

2. Influx DB

➢ In Influx Db we must create a bucket. This bucket containing the JMeter reeded data set. By using this bucket, we are getting the data from JMeter.
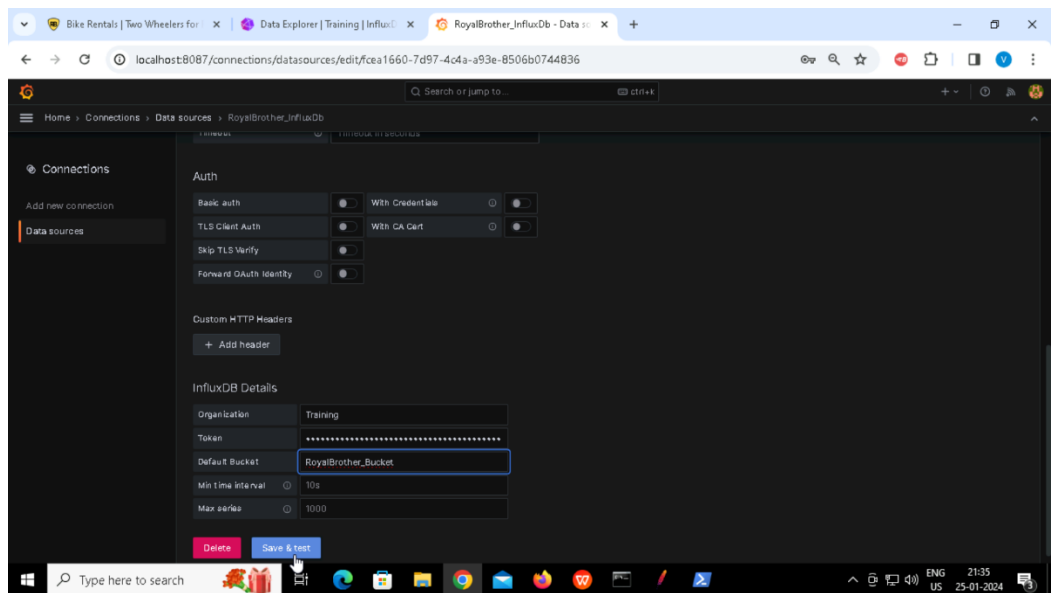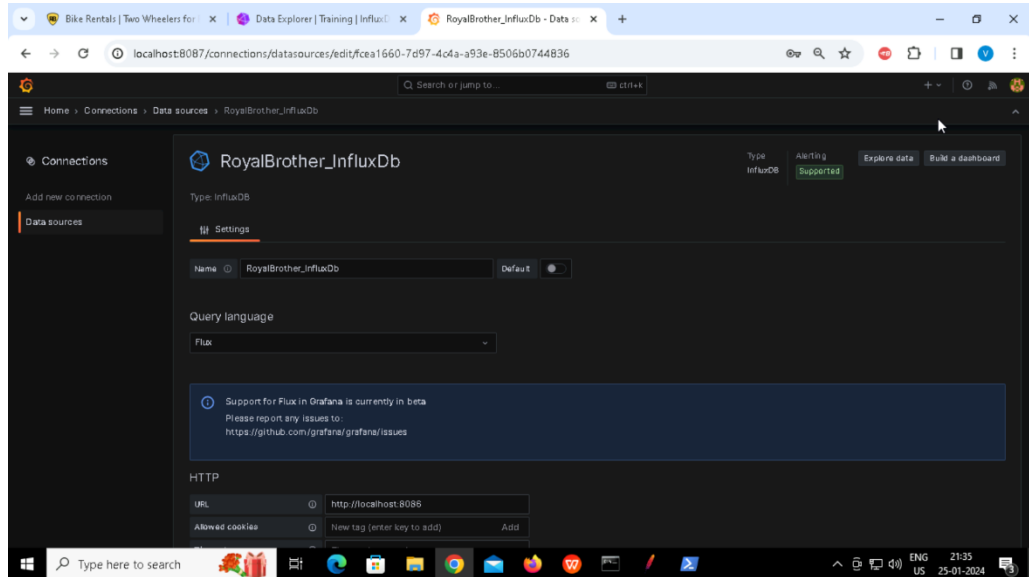

➢ After creating bucket we are checking the data is comes or not.

➢ In the above figure shows our JMeter thread groups. So in this picture we know data is coming

➢ Here we can check some conditions and after clicking the submit button the data comes.

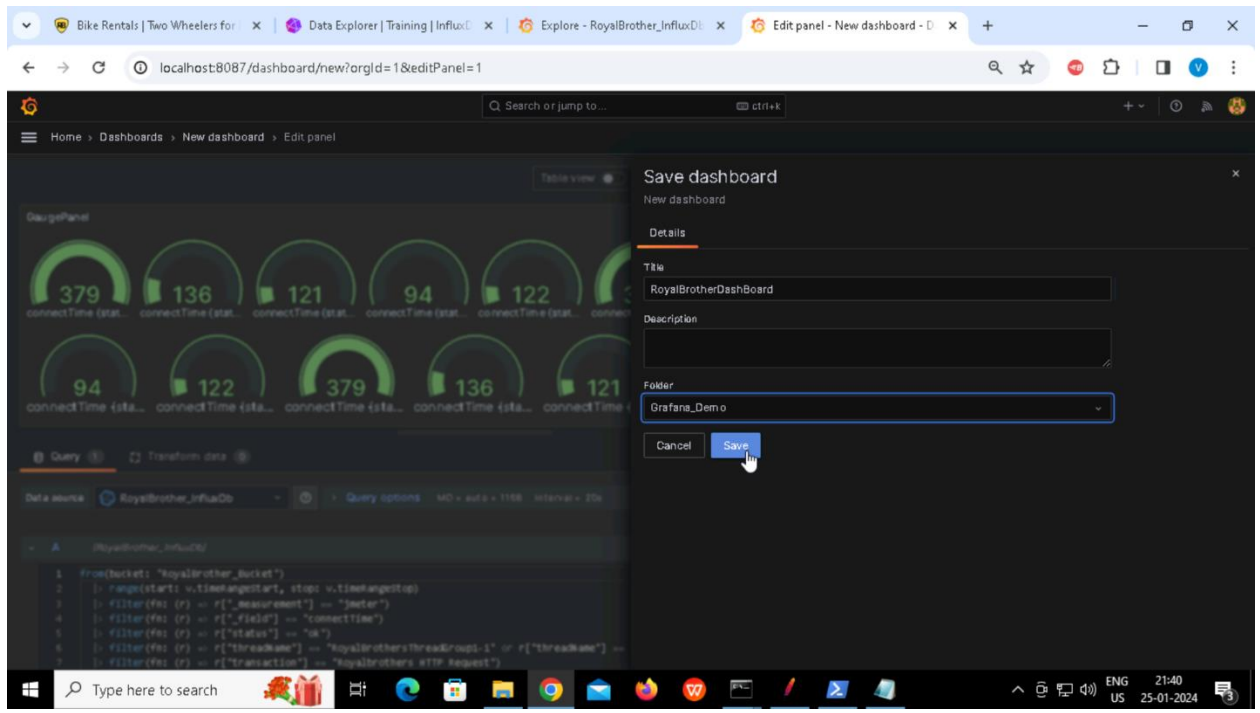➢ After successful completion of influx db. next step is to go Grafana.

3. Creating Influx dB Data source in Grafana

➤ Through influx dB we have to get visualization for that we have to create influx dB data source in Grafana.

➤ The Above Image we I am creating influx Db data source and provide my influx Db Credentials.
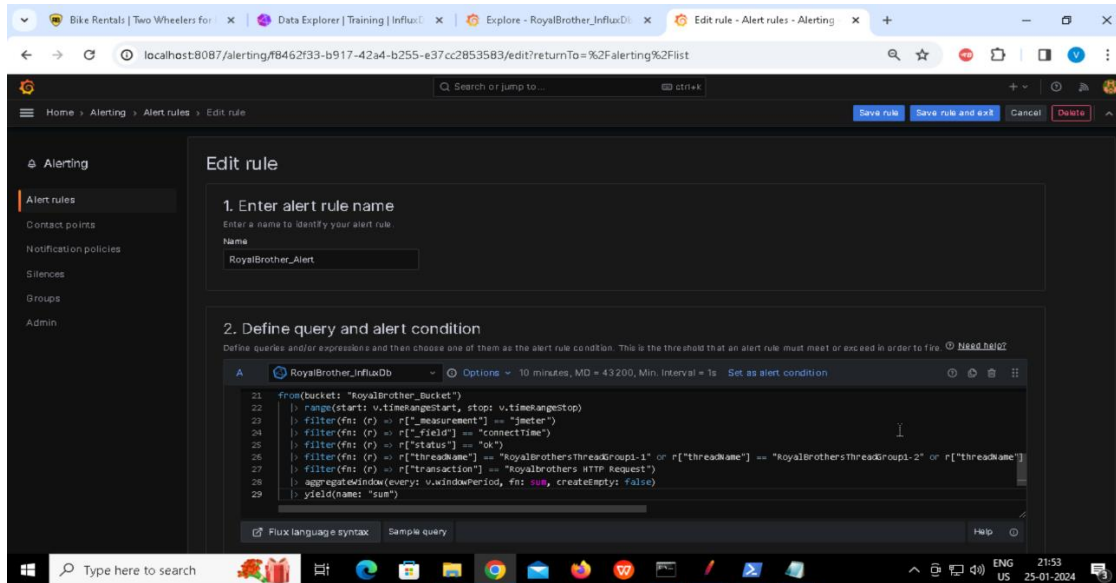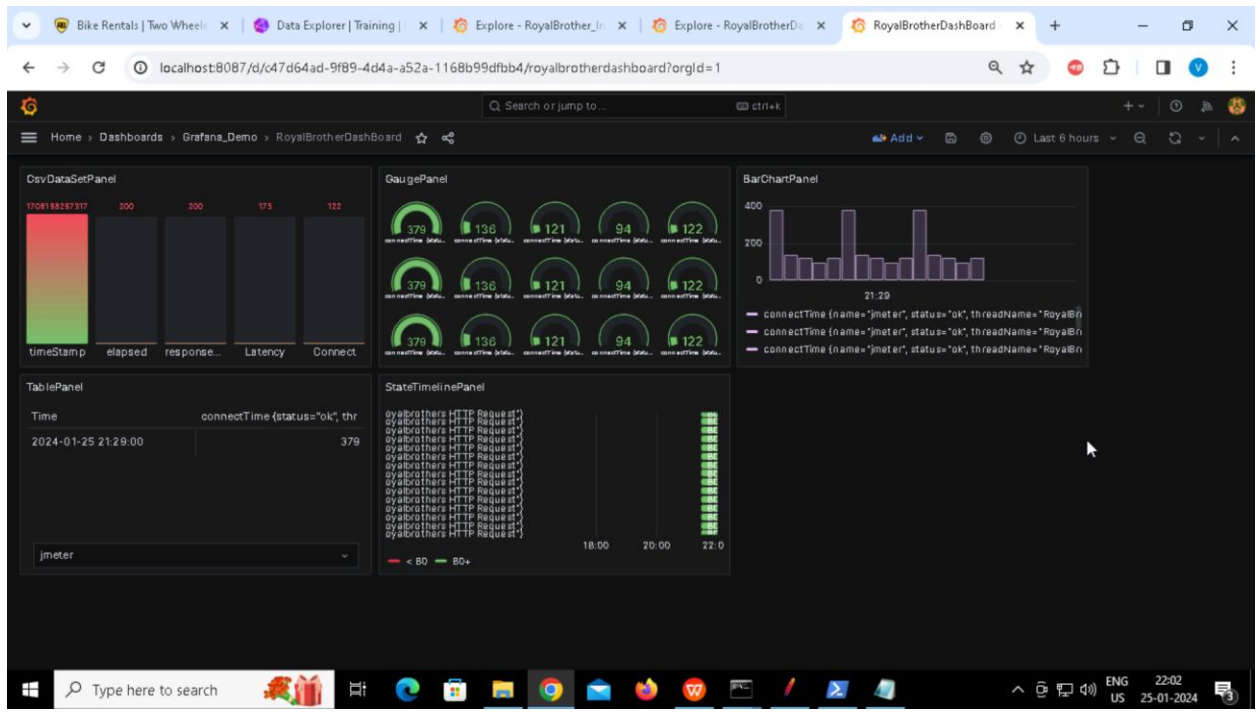
4. Next Creating Grafana Dashboard.

➢ In the above image First, I am creating a panel by comping influx dB query the gauge panel display then I am clicking save button it will save new dashboard.

5. <u>Creating Alerts in Grafana</u>

➢ Next, I am created a alert rules.

➢ This is for setting alerts to check if there is any error coming or not.

➢ In my case I am generating alerts every 10s.

➢ So, every 10s the alert generate automatically. And we can set auto generated mail if alerts comes or not.

6. **Final step**

> ➢ Here I am showing all the panel that I am created in my Grafana dashboard .