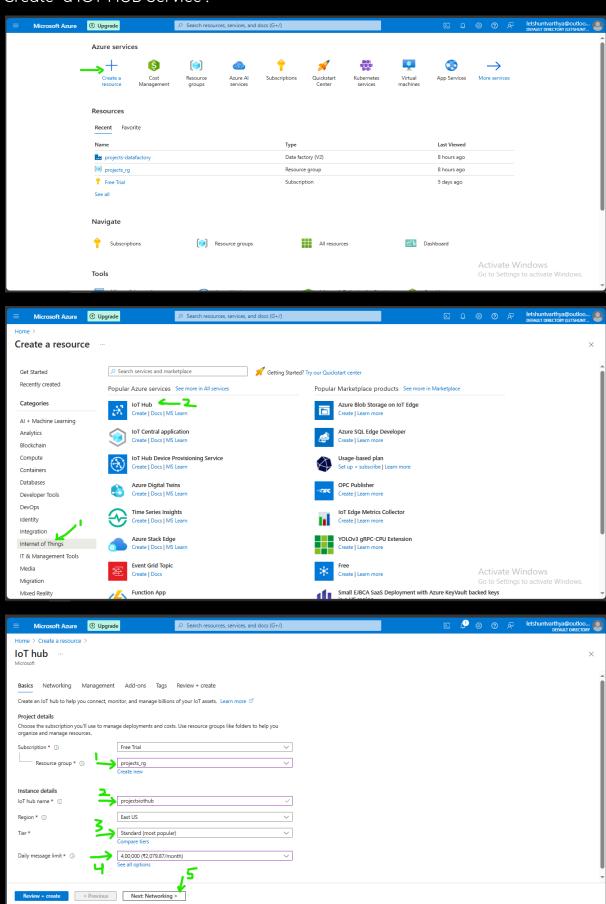
- Storage which support Azure streaming analytics
  - Event Hub
  - o IOT Hub
  - o Adls

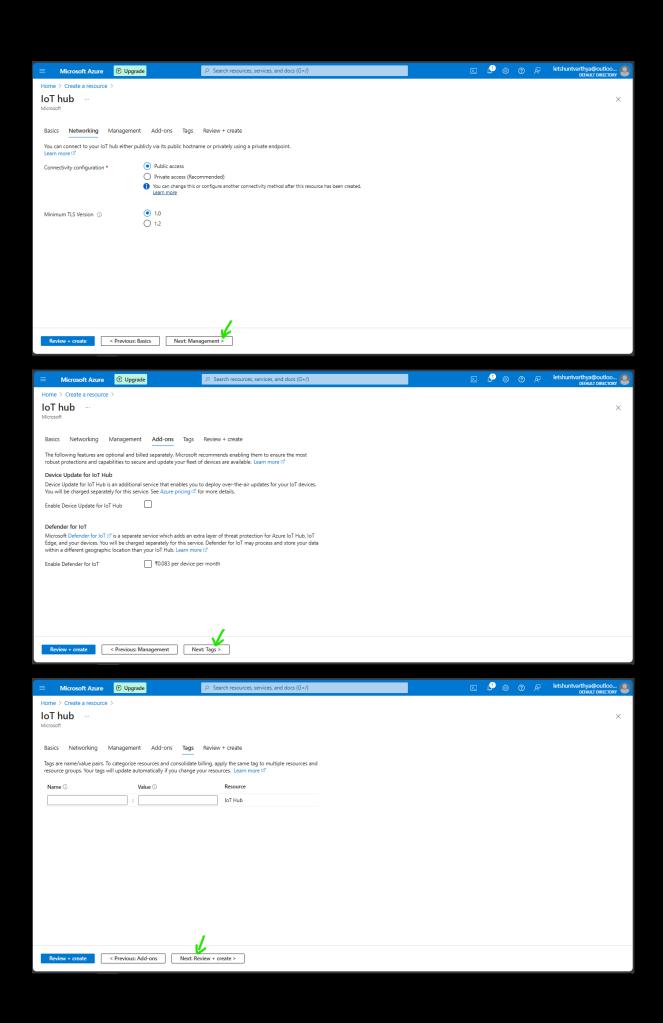
# <u>IOT Hub to Power BI using azure streaming analytics:</u>

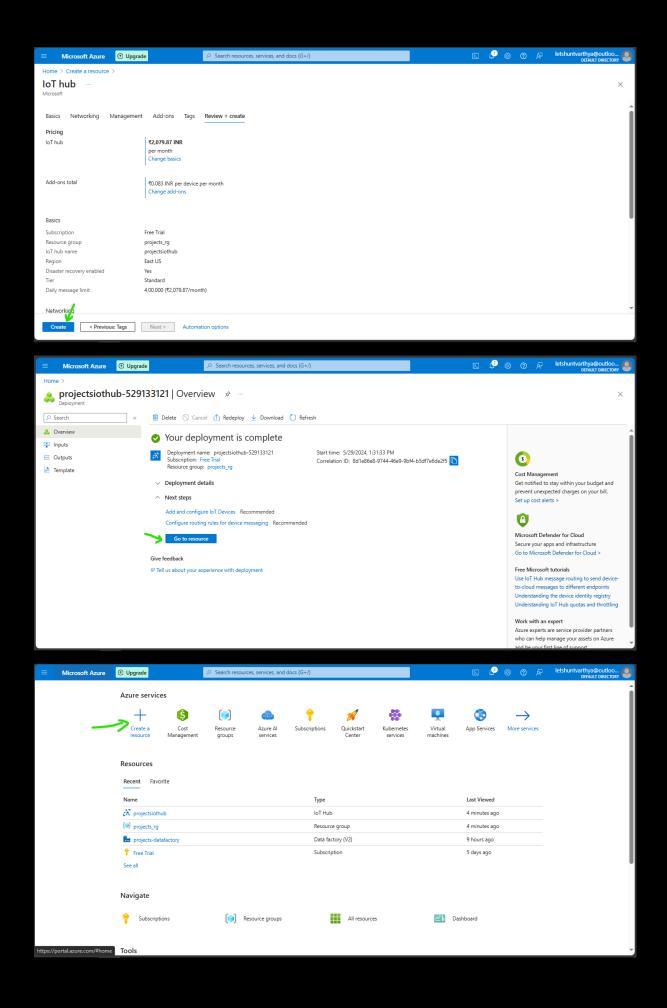
## Streaming pipeline steps:

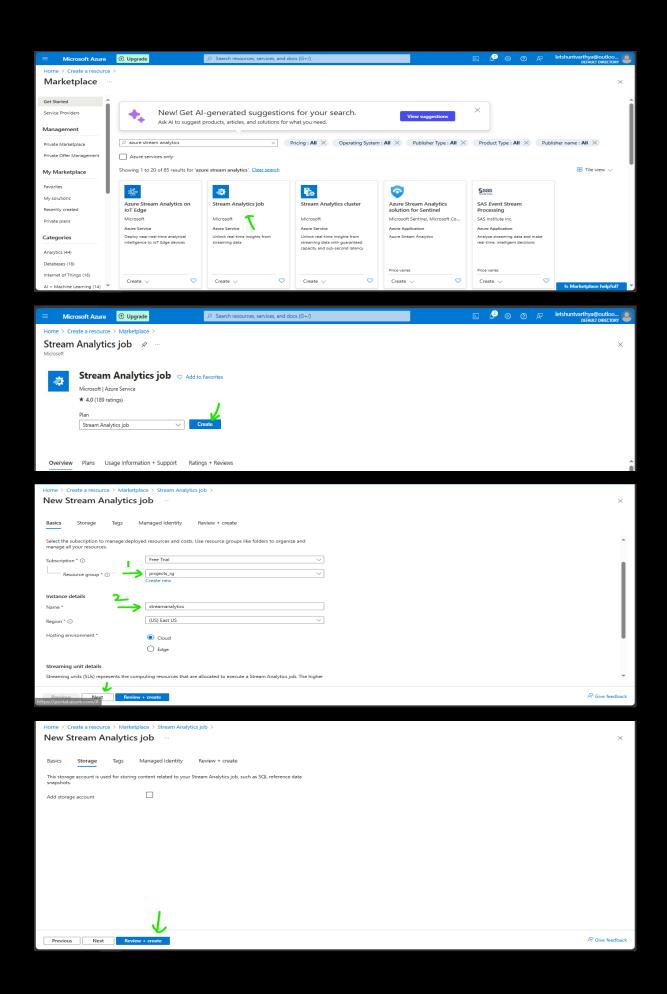
- 1. Create IOT Hub service (captures input data)
- 2. Device IOT Data (data from device)
- 3. Live data (keep on getting data every 15 secs)
- 4. Processing streaming data (Azure Streaming Analytics)
- 5. Analyse the output

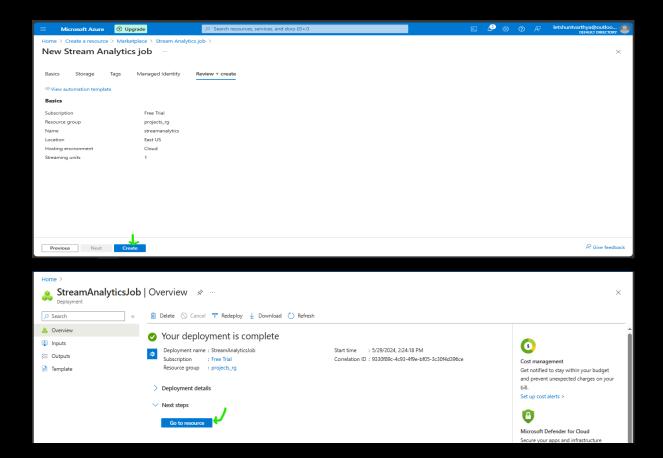
#### Create a IOT HUB Service:





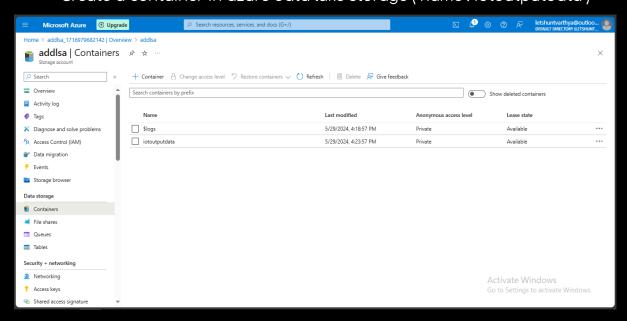




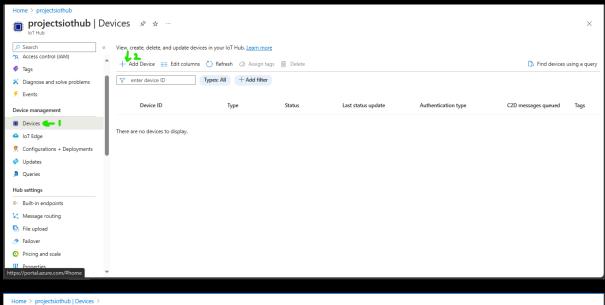


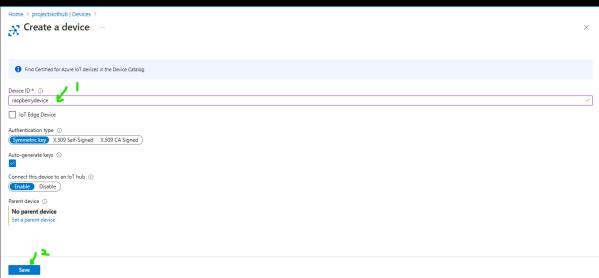
#### Azure data lake storage creation:

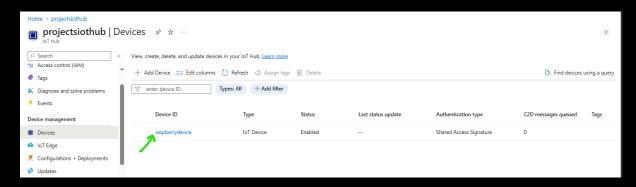
- How to create azure data lake storage is shown in the document below.
- https://docs.google.com/document/d/1Gyz7yN9HDF7d\_i6wM\_i9ph0Z0PNi KP FLgPfRJshs\_A/edit?usp=sharing
- Create a container in azure data lake storage ( name : iotoutputdata )

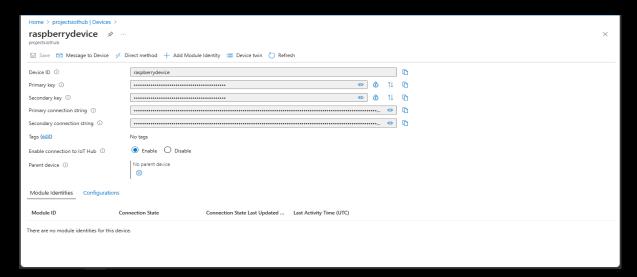


## In projectsiothub →



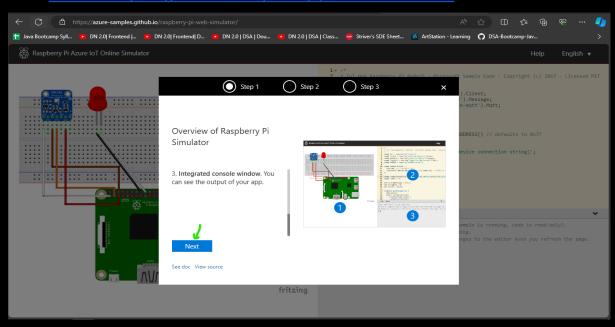


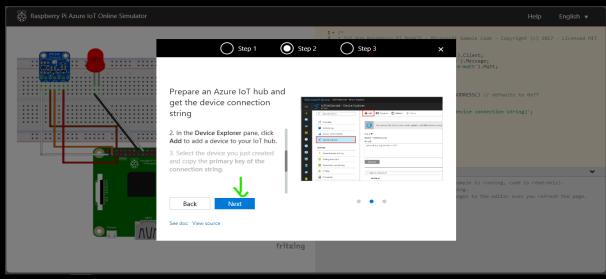


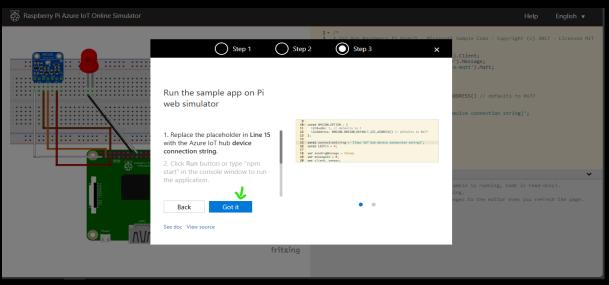


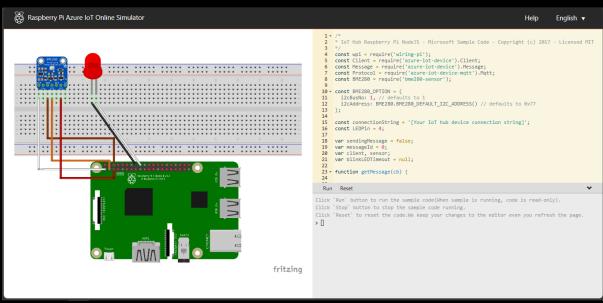
#### Oen Azure IOT Online simulator in new tab

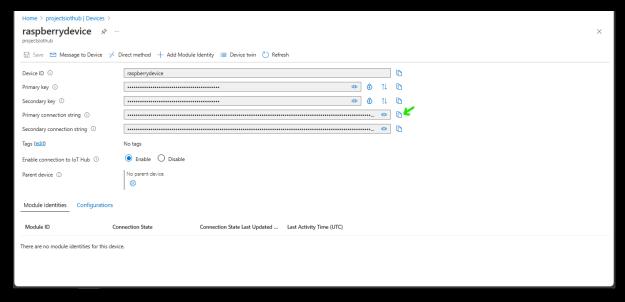
Link: <u>azure-samples.github.io/raspberry-pi-web-simulator/</u>

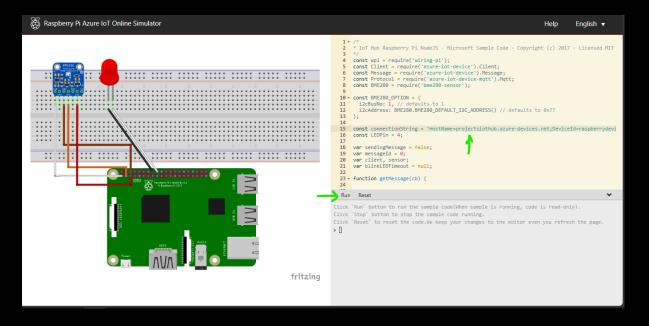


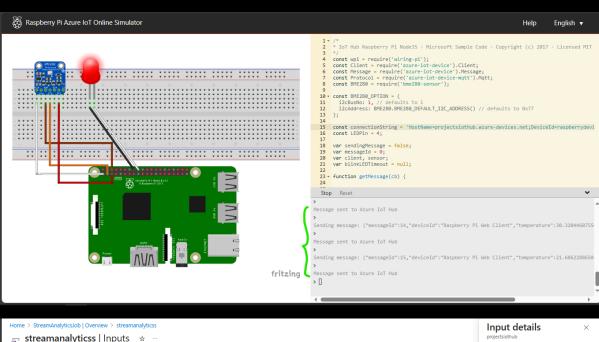


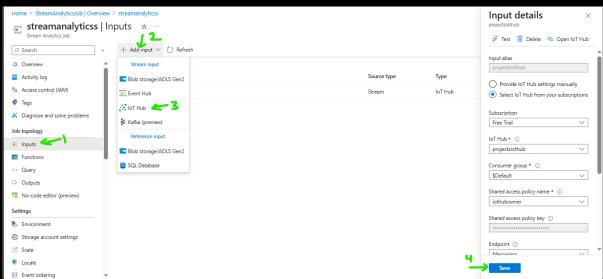




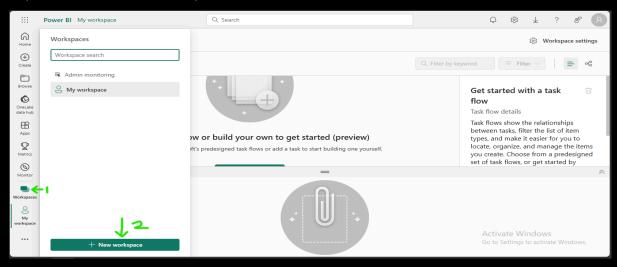




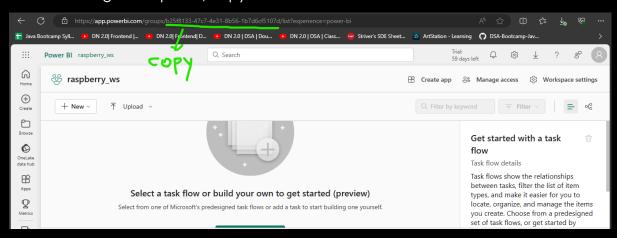




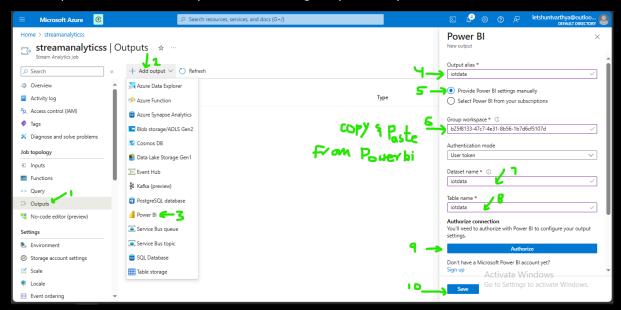
In power bi, create workspace.

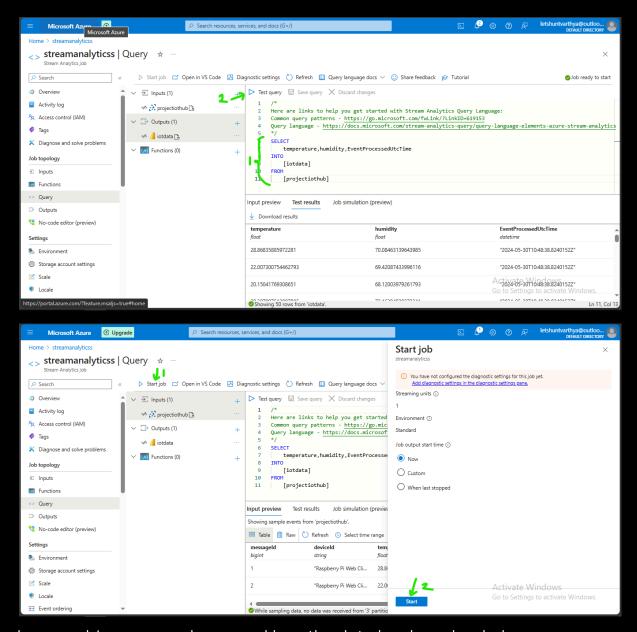


## After creating workspace, copy id in the url bar

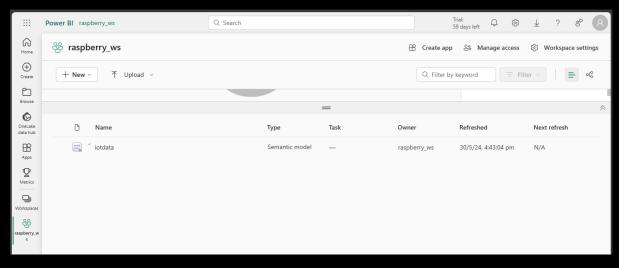


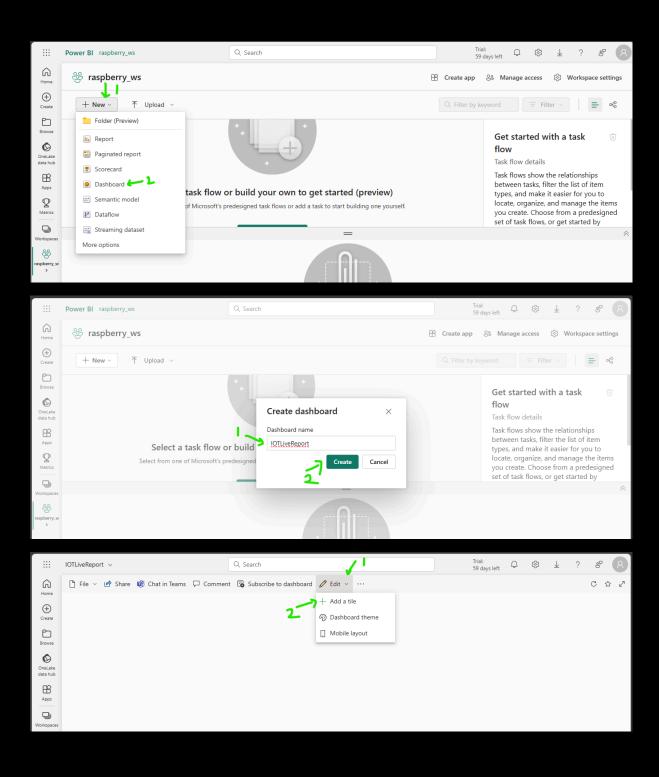
## The copied id should be pasted in the group workspace field.

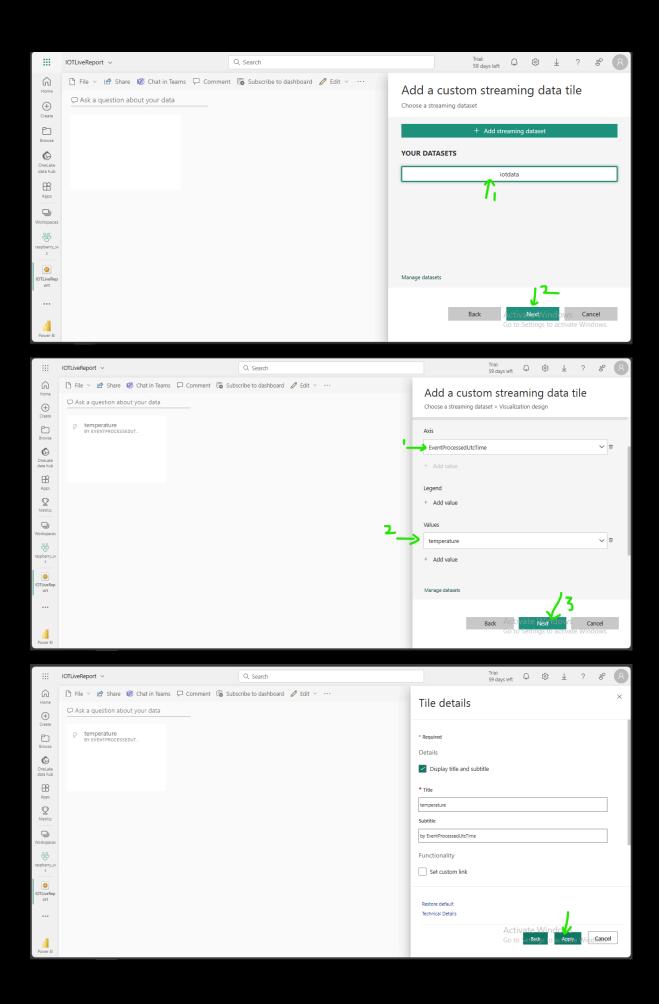


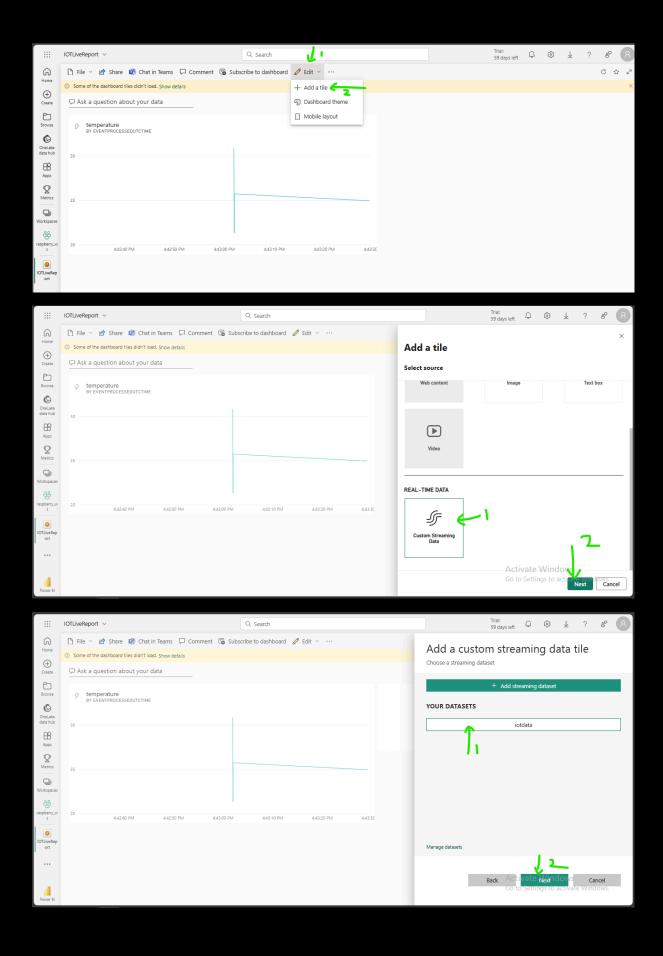


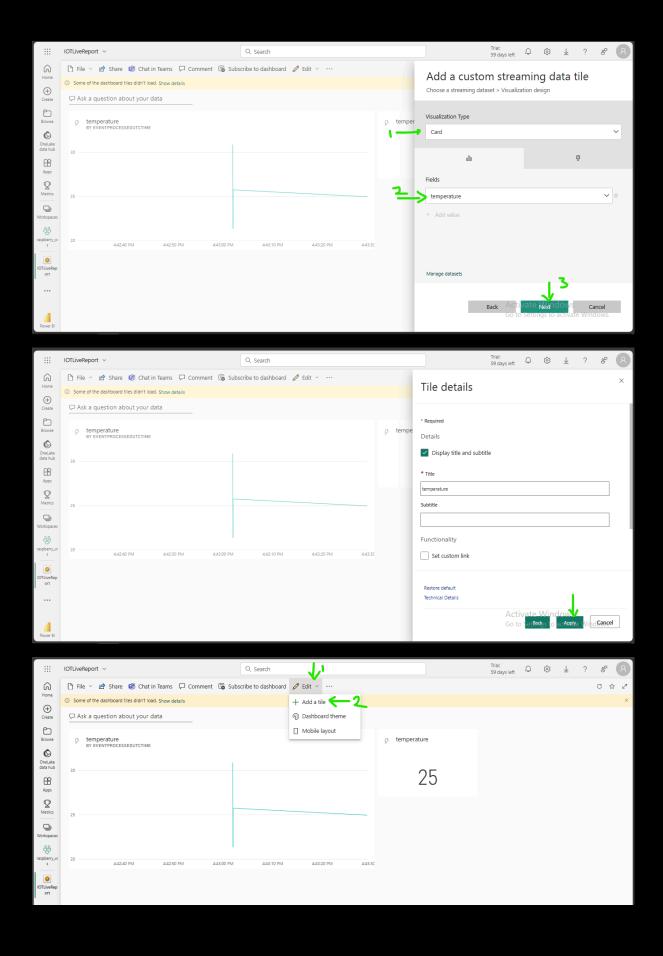
In power bi, open raspberry\_ws. Here, the data has been loaded.

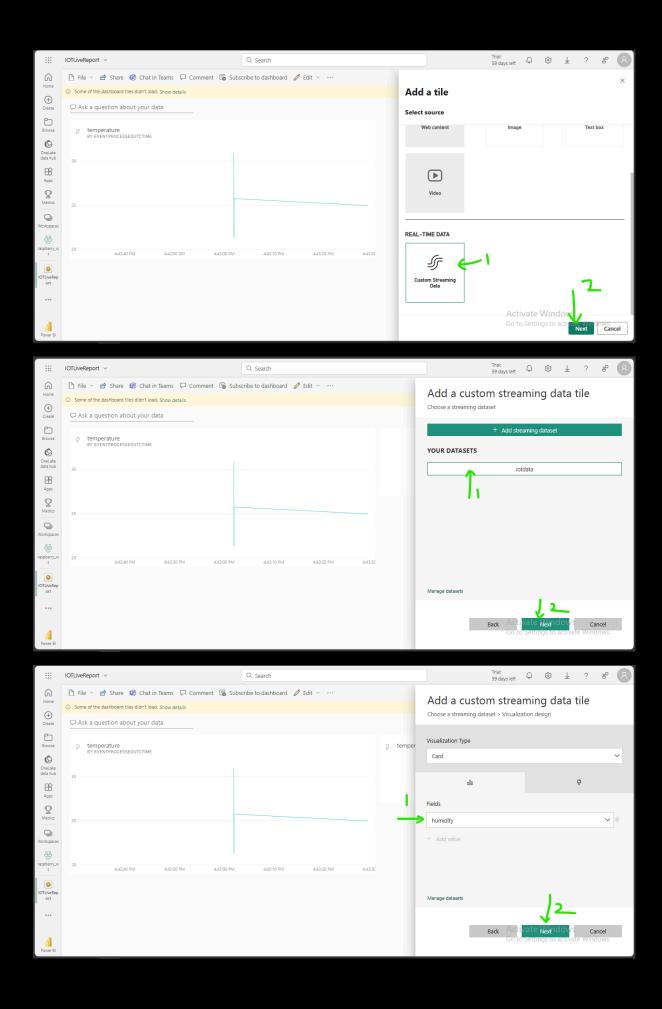


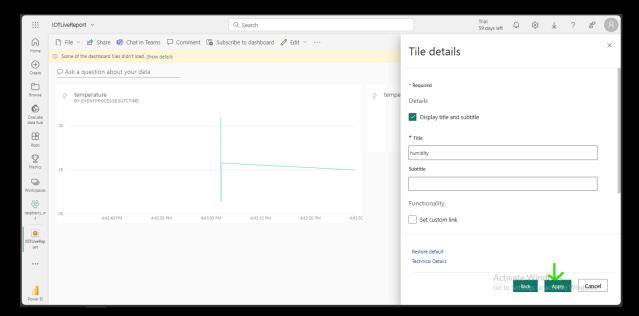












## Here, we can see real time stream data in the chart.

