Azure IOT Simulator: <https://azure-samples.github.io/raspberry-pi-web-simulator/>

### SQL Query To Send the Job to Blob Storage

SELECT

    \*

INTO

    [outputiOT]

FROM

    [practiceiot2024]

### Query for Power BI

\*\*\*\*Query For Tumbling Windows

SELECT

    System.Timestamp AS WindowEnd,

    AVG(temperature) AS temperature

INTO

    [MyiotPBI]

FROM

    [practiceiot2024]

GROUP BY

    TumblingWindow(second, 2)

\*\*\*\*Query For Hopping Windows

SELECT

    DateAdd(second, -15, System.Timestamp) AS WindowStart,

    System.Timestamp AS WindowEnd,

    AVG(temperature) AS Avg\_Temperature

INTO

    [iotPBIOutput]

FROM

    [InputDataFromIoTHub]

GROUP BY

    HoppingWindow(second,15,6)

\*\*\*Remember that you need to replace the name in the brackets ‘[ ]’ with the name you’ve given your datasets

**Here are links to help you get started with Stream Analytics Query Language:**

**Common query patterns** - https://go.microsoft.com/fwLink/?LinkID=619153

**Query language** - https://docs.microsoft.com/stream-analytics-query/query-language-elements-azure-stream-analytics