1. **Query: Retrieve Asset by Location Zone**:

* **Natural Language**: “Show all of assets with their current warehouse zone.”
* **SQL Equivalent**:

SELECT m.AssetID, m.Timestamp, m.ToLocationID

FROM (

SELECT AssetID, MAX(Timestamp) AS max\_date

FROM movements

GROUP BY AssetID

) AS recent\_dates

JOIN movements AS m

ON recent\_dates.AssetID = m.AssetID AND recent\_dates.max\_date = m.Timestamp

Join assets a

on a.AssetID = m.AssetID and a.Status = 'In Warehouse';

1. **Query: Retrieve Total Asset Count that are in warehouse**:

* **Natural Language**: “show the total asset that is in warehouse currently”
* **SQL Equivalent**:

SELECT count(\*) as TotalAssetInWarehouse

FROM tsw.assets where Status = 'In Warehouse';

1. **Query: Show movement history of a specific asset**:

* **Natural Language**: “Retrieve all the history of the movement of a specific asset”
* **SQL Equivalent**:

select a.assetId,Description,m.Timestamp,FromLocationID,ToLocationID,Status from movements m

inner join assets a

on a.AssetID = m.AssetID

and a.AssetID = 1;