Task 1-DWH should be tested based on the provided DWH\_schema.pdf and DWH\_schema\_description.docx (same as in Data Mapping task) and test cases from previous HW.

1-Check DWH table existence

In 3\_create\_DWH\_layer\_postgres.sql, the following DWH tables are present:

* dwh\_clients
* dwh\_products
* dwh\_sales
* dwh\_channels
* dwh\_locations

2-Validate column names and data types in DWH tables

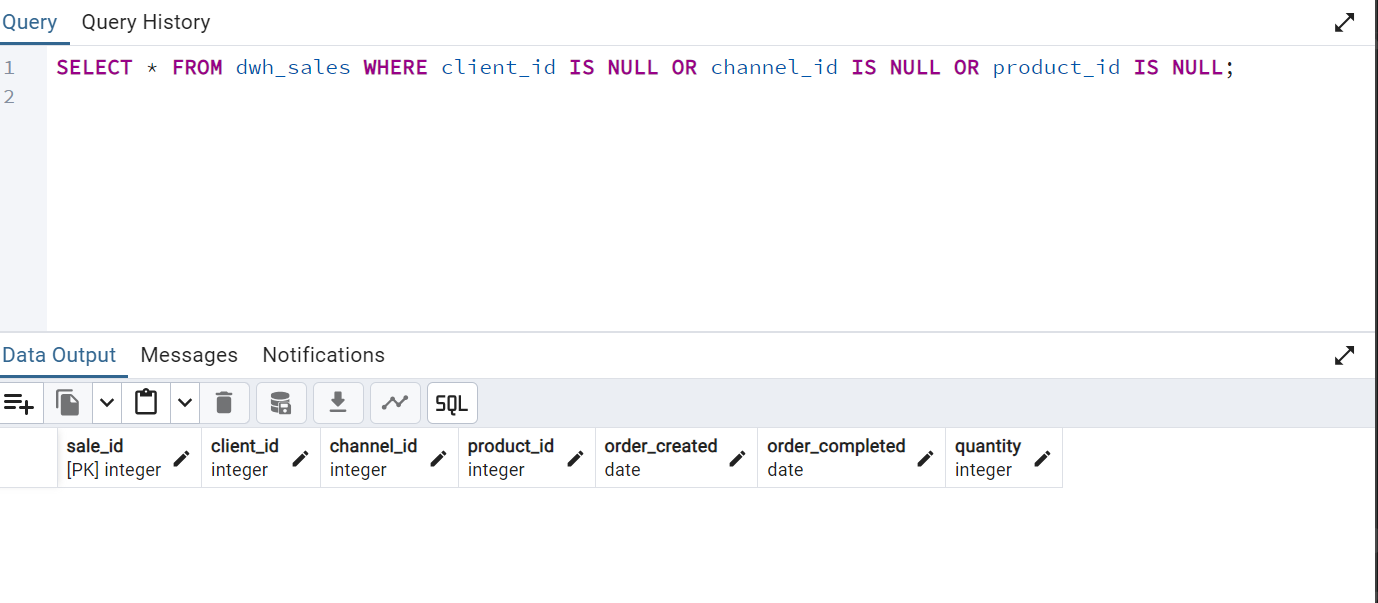
Column names and types match expectations. Example:

* dwh\_clients.client\_id is INTEGER (PK)
* dwh\_products.product\_cost is NUMERIC(18,2)
* dwh\_sales.order\_completed and order\_created are DATE

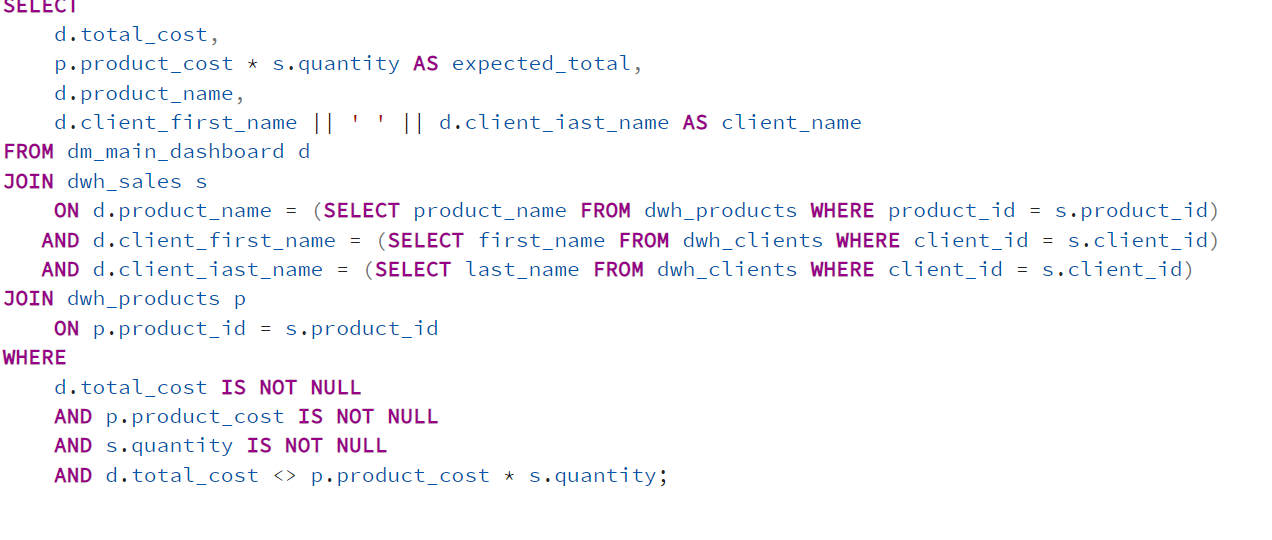
3-Validate DWH\_CLIENTS has data

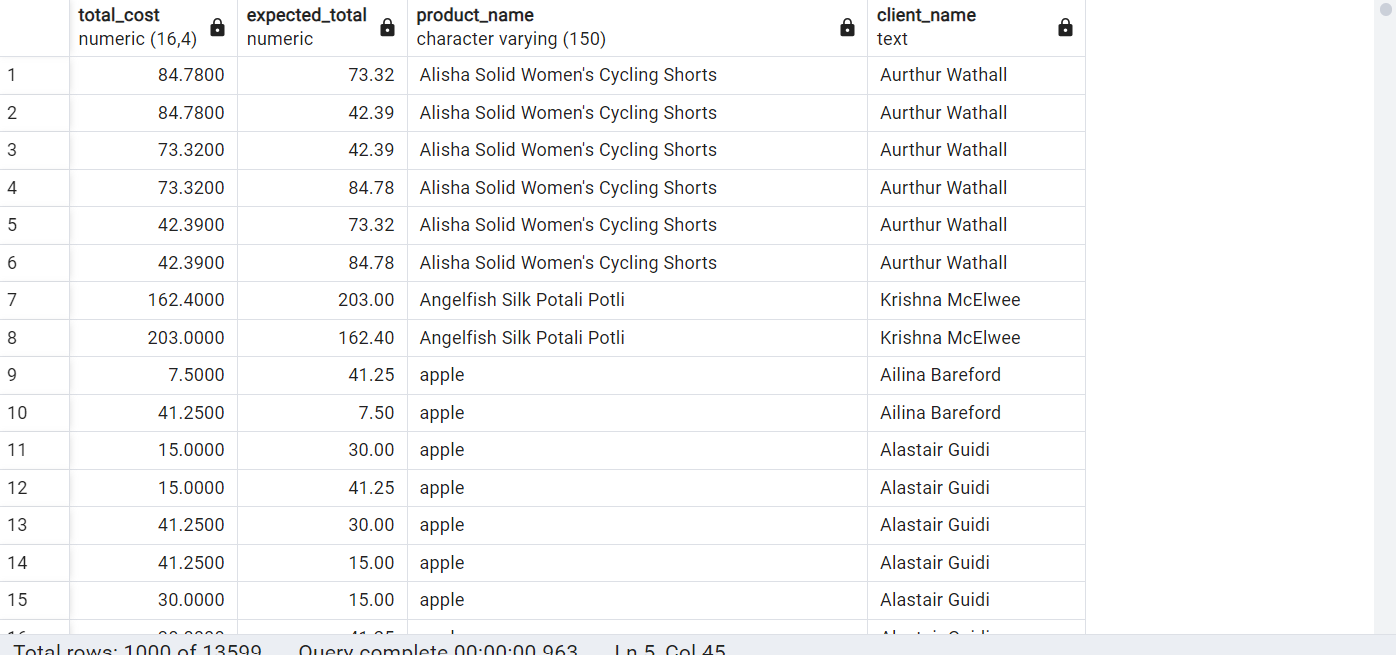


4-check key fields for nulls in DWH\_SALES

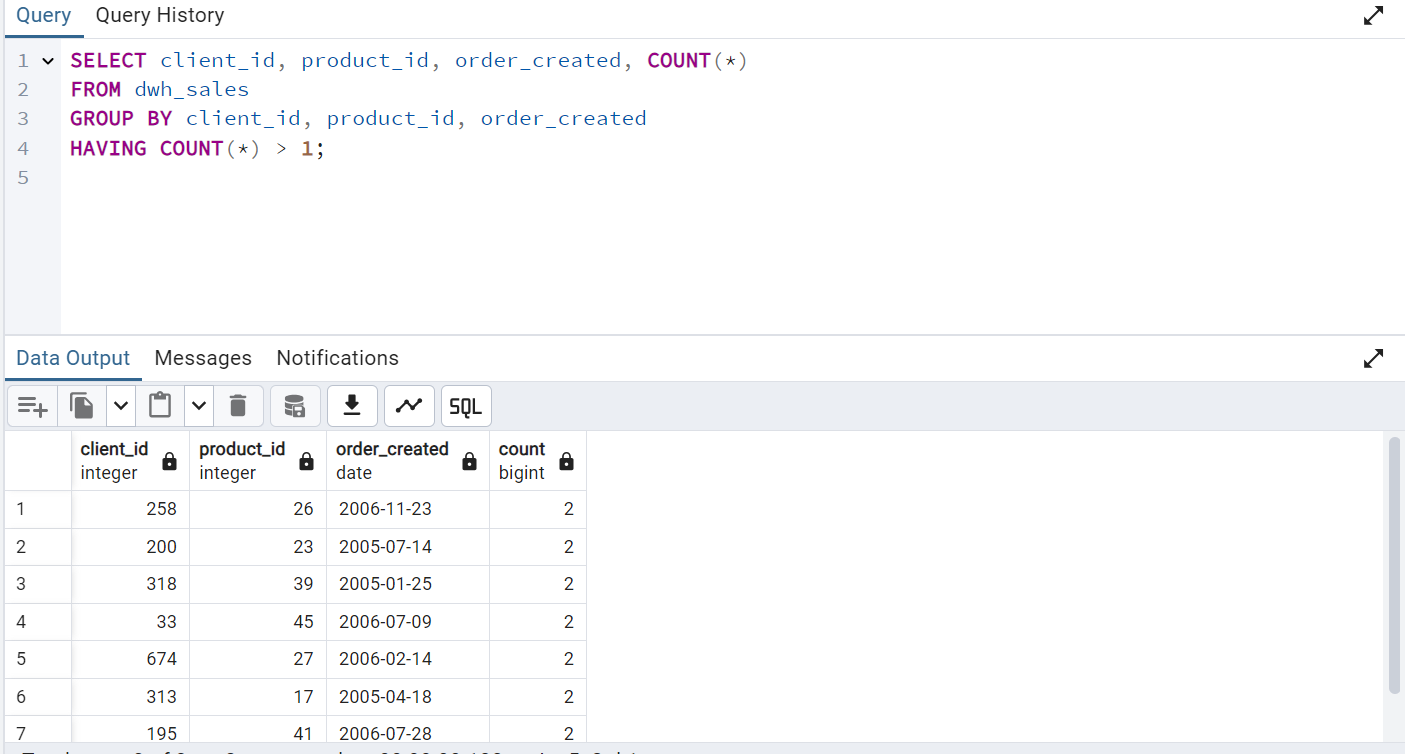


5-Validate TOTAL\_COST matches PRODUCT\_COST × QUANTITY

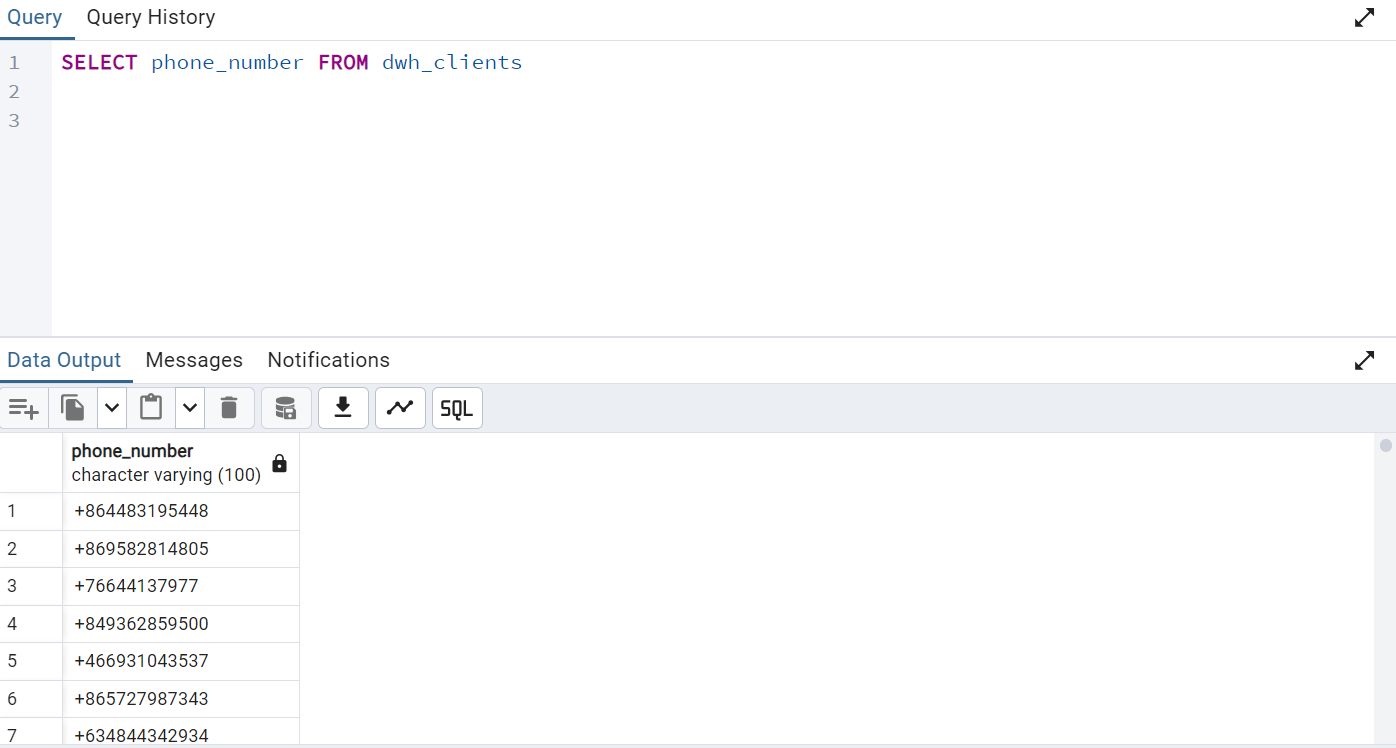




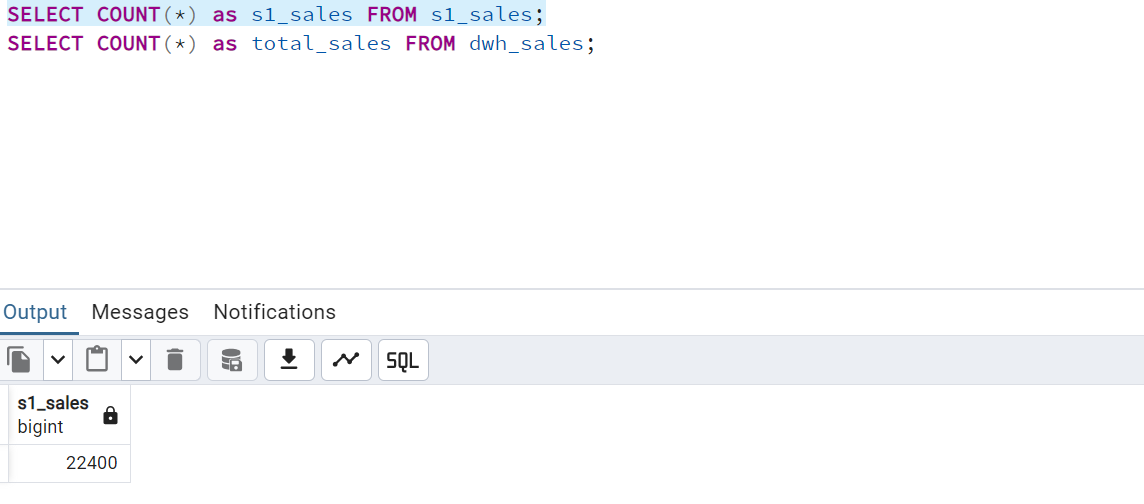
6-Detect duplicate sales records

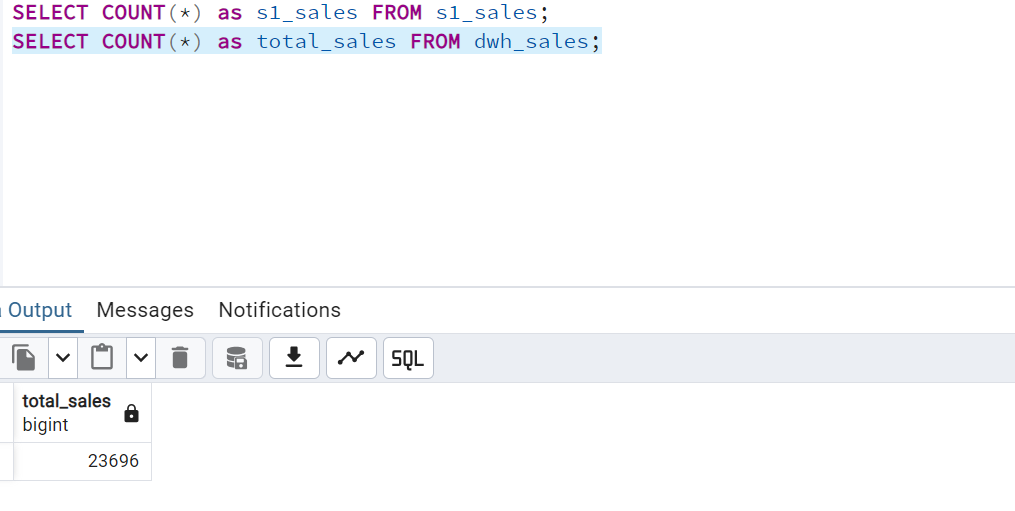


7-Check phone number format in DWH\_CLIENTS

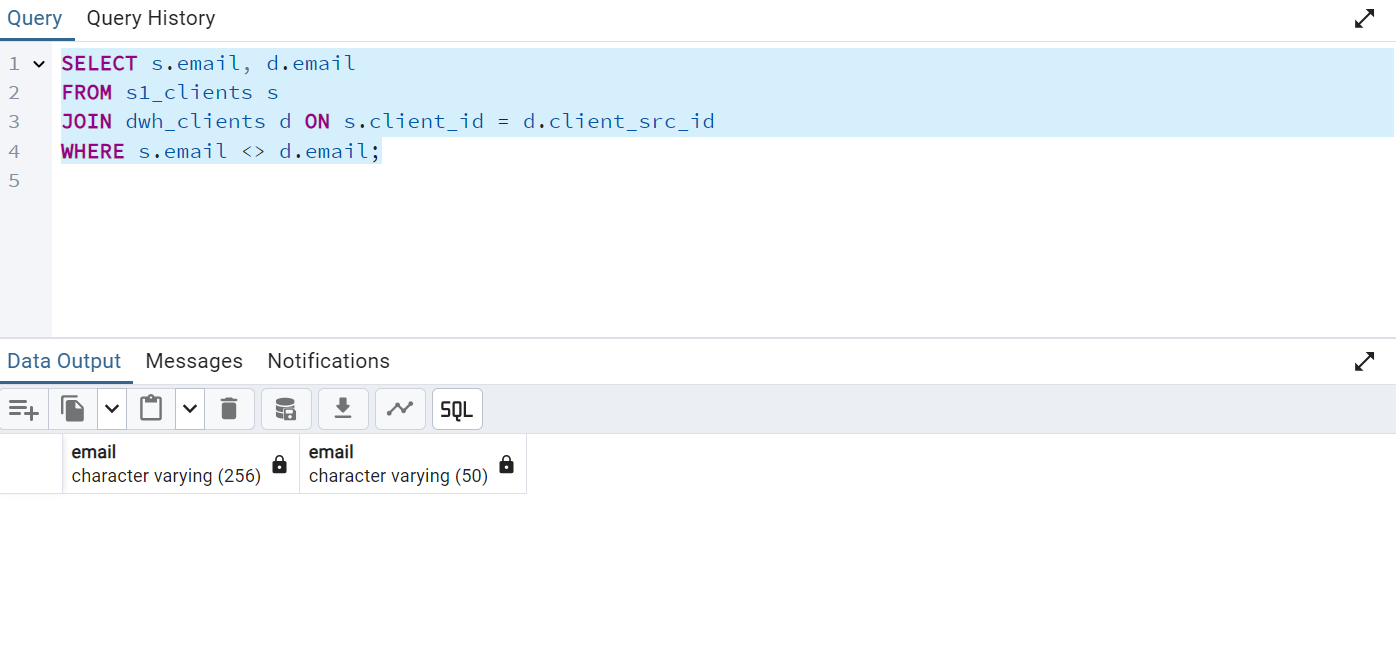


8-Match record counts between source and DWH



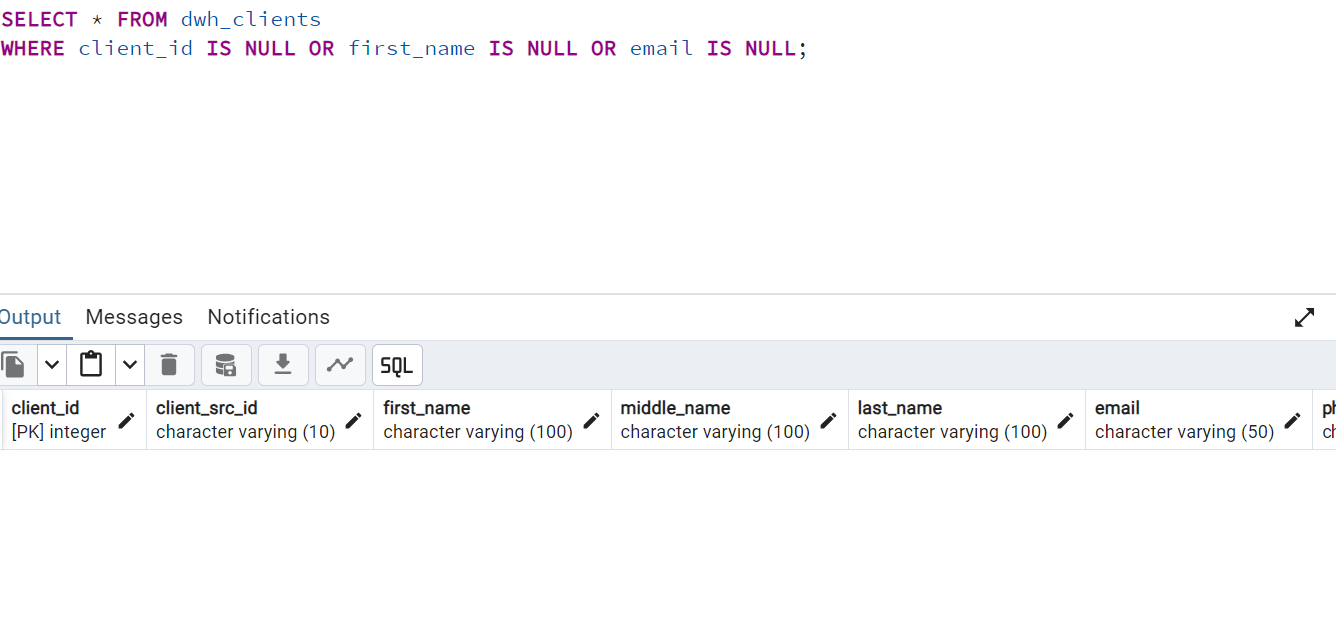


9-Check client name and email consistency post-transformation



Since this return no rows that means that src\_id and cliend\_id are correctly transformed

10-Validate mandatory fields are not null in DWH\_CLIENTS



11-Ensure ORDER\_COMPLETED ≥ ORDER\_CREATED



So all tests are passed except the 8,6 and 5—these are the links to them

Test 5-<https://daeglobalau24dq.testrail.io/index.php?/cases/view/3464&group_by=cases:section_id&group_order=asc&display_deleted_cases=0&group_id=381>

Test 8-<https://daeglobalau24dq.testrail.io/index.php?/cases/view/3466&group_by=cases:section_id&group_order=asc&display_deleted_cases=0&group_id=381>

Test 6-

<https://daeglobalau24dq.testrail.io/index.php?/cases/view/3465&group_by=cases:section_id&group_order=asc&display_deleted_cases=0&group_id=381>

this is the link to jira-<https://daeglobalau24dq.atlassian.net/jira/people/712020:027b4827-e3a8-40d3-8cf8-9f657dc839ca> and two of them are in ‘to do’ category.