Self-Evaluation Rubric for the Module 5 Assignment

Self-evaluation supports an honest assessment of knowledge and skills about a module. You should apply the rubric to assess your performance so that you can learn from your mistakes. An error is an opportunity to correct a misunderstanding about a concept, problem statement, or software/language feature. Learning from mistakes is an important key to success. You should consider mistakes as an essential element of your learning process. If you doubt the importance of learning from mistakes, please search under "learning from mistakes" to read about the benefits of learning from mistakes.

To apply this rubric, you should compare your snapshots to the snapshots in the solution document. In addition, you should compare details of selected steps in your Kettle file (.ktl) to details in the rubric. If you have major errors or many medium and minor errors, you should rework your transformations with errors without seeing the solution and then reassess your revised solutions. You should see improvement on your second attempt along with an understanding of your errors.

Table 1: Rubric for Self-Evaluation of Part 1 (Access Transformation)

Rubric Element	**Error Type**	**Comments**
Snapshots	Major	Snapshots of complete design transformation, transformation showing execution, and step metrics
Transformation file	Major	Kettle file (.ktl) for the transformation
Database connection	Major	Either PostgreSQL or Oracle Cloud
Microsoft Access input step	Medium	First step in transformation
Filter rows step	Medium	Removal of null values; Can use a data validator step instead of a filter rows step
Table input steps	Medium	Need 6 table input steps (Currency_Dim, Trans_Type_Dim, Cust_Vendor_Dim, Item_Master_Dim, Branch_Plant_Dim, and Date_Dim)
Merge join steps preceded by sort steps	Medium	Each merge join should be preceded by two sort steps. Sort order should be consistent. Sort steps for the Date_Dim table and stream should be consistent on 3 table columns and stream fields.
Calculator step(s)	Minor	One or two calculation steps to perform two calculations for converted unit cost

		(UnitCost * EXCHANGE_RATE) and converted external cost (Quantity * UnitCost * EXCHANGE_RATE)
Table output step	Medium	Insert into the Inventory_Fact table; Alternatively a Insert/Update step
Execution results	Minor	Indicated in the step metrics; 16 rows input, 14 rows after Filter Rows, 11 rows after last merge join, 11 rows inserted into Inventory_Fact

Table 2: Rubric for Self-Evaluation of Part 1 (Excel Transformation)

Rubric Element	**Error Type**	**Comments**
Snapshots	Major	Snapshots of complete design transformation, transformation showing execution, and step metrics
Transformation file	Major	Kettle file (.ktl) for the transformation
Database connection	Major	Either PostgreSQL or Oracle Cloud
Excel input step	Medium	First step in transformation
Filter rows step	Medium	Removal of null values; Can use a data validator step instead of a filter rows step
Select values and Split fields steps	Medium	Separate date field into components
Table input steps	Medium	Need 6 table input steps (Currency_Dim, Trans_Type_Dim, Cust_Vendor_Dim, Item_Master_Dim, Branch_Plant_Dim, and Date_Dim)
Merge join steps preceded by sort steps	Medium	Each merge join should be preceded by two sort steps. Sort order should be consistent. Sort steps for the Date_Dim table and stream should be consistent on 3 table columns and stream fields.
Calculator step(s)	Minor	One or two calculation steps to perform two calculations for converted unit cost (UnitCost * EXCHANGE_RATE) and converted external cost (Quantity * UnitCost * EXCHANGE_RATE)
Table output step	Medium	Insert into the Inventory_Fact table; Alternatively a Insert/Update step
Execution results	Minor	Indicated in the step metrics; 15 rows input, 13 rows after Filter Rows, 10 rows after last merge join, 10 rows inserted into Inventory_Fact