**ETL Audit Balance Table Structures**

**1] ETL\_AUDIT\_LOG:** To capture the details of entire ETL execution

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Column Datatype** | **Column Description** |
| **Audit\_ID** | **Integer** | **Displays unique ID for each ETL run** |
| Start\_Time | **TimeStamp/Date** | **Displays ETL start time** |
| End\_Time | **TimeStamp/Date** | **Displays ETL end time** |
| ETL\_Status | **String** | **Displays the status of ETL** |

**2] ETL\_JOB\_LOG:** To capture details of every Job execution

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Column Datatype** | **Column Description** |
| **Audit\_ID** | **Integer** | **All the sub jobs belonging to one ETL Job will have same Audit\_ID** |
| **Job\_ID** | **Integer** | **Displays unique ID for every job run in ETL** |
| **Job\_Name** | **String** | **Displays name of the job run in ETL** |
| **Job\_StartTime** | **TimeStamp/Date** | **Displays job start time** |
| **Job\_EndTime** | **TimeStamp/Date** | **Displays job end time** |
| **Job\_Execution\_Status** | **String** | **Displays the execution status of the job(Success, In-Progress, Failure).** |
| **Rows\_Processed** | **Integer** | **Displays the count of rows processed from the input in the job** |
| **Rows\_Inserted** | **Integer** | **Displays the count of rows inserted in output in the job** |
| **Records\_Updated** | **Integer** | **Displays the count of rows updated in output in the job** |
| **Record\_Entry\_StartTime** | **TimeStamp/Date** | **Displays the time at which this particular record entry started** |
| **Record\_Entry\_EndTime** | **TimeStamp/Date** | **Contains the time at which this particular record entry ended** |
| **Count\_Match** | **String** | **Display whether the inserted and processed row count are equal or not** |

**3] ETL\_JOB\_LIST:** This table is created to capture point of failure of the ETL job.

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Column Datatype** | **Column Description** |
| **Job\_Name** | **String** | **Displays the job name** |
| **Run\_Status\_Flag** | **Binary/Boolean** | **Default value is set to “0”. On successful execution of the job value is set to “1”. Value 1 in all the columns indicates load completion.** |

**4] ETL\_ERROR\_LOG:** Captures error message, error code at job level

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Column Datatype** | **Column Description** |
| **Job\_ID** | **Integer** | **Displays the job ID** |
| **Error\_Message** | **String** | **Displays the error message** |
| **Errror\_code** | **String** | **Displays the error code** |
| **E\_Timestamp** | **Timestamp/Date** | **Displays the time at which the error occured** |