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**Quality Control Form**

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| **Team Name** | Right Join |
| **Team Members** | Myles Jauncey, Jagroop Singh, Nikolaos Maragkos, Renato Pavlekovic |
| **Client Name** | Mystic Manuscripts |
| **Date of file received** | 09/06/2025 |
| **Name of file received** | Books Sales Records - V2(in) |
| **File Format received** | csv |
| **Size of file (KB) received** | 924 KB |
| **Encoding of the file** | ANSI |
| **Recorded Number of Columns** | 36 |
| **Recorded Number of Rows** | 3481 |
| **Name of Schema of Destination Table** | **mystic\_manuscript** |
| **Name of Destination Table** | **right\_join** |

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| **ID of SQL or Checked Rows** | **Description of Check** | **Result in SOURCE** | **Result in DESTINATION** | **OUTCOME** |
| SQL-1  ID(\*) | **Count of rows**  *Counting the total number of rows.* | 3480 | 3480 | Pass |
| SQL-2  ID(\*) | **Count of Distinct Rows**  *Counting the total number of distinct rows.* | 3480 | 3480 | Pass |
| SQL-3  ID(\*) | **Count of Columns**  *Counting the total number of columns.* | 36 | 36 | Pass |
| SQL-4  ID(\*) | **Sum of column Sums**  *Counting the sum of columns.* | 11680963.46 | 11680963.46 | Pass |
| SQL-5  ID(\*) | **Sum of Row Sums**  *Counting the sum or rows.* | 11680963.46 | 11680963.46 | Pass |
| SQL-6  *ID (3269, 2566, 2435, 673, 3173)* | **Date format Check**  *Compare 5 randomly chosen values from Source, check date matches in Destination.* | *date (2019-10-25, 2019-07-19,*  *2019-07-11,*  *2018-05-06,*  *2019-09-27)* | *ID (3269, 2566, 2435, 673, 3173)*  *date (2019-10-25, 2019-07-19,*  *2019-07-11,*  *2018-05-06,*  *2019-09-27)* | Pass |
| SQL-7  ID(2705  3479  1458  1691  3309) | **Eyeball Check**  *Inspect 5 randomly chosen records from Source* | Column data matches | Column data matches | Pass  (although inconsistencies in data remain in both) |
| SQL-8  ID(\*) | **Count of NULLs per column**  *Counting the total number NULLs per column.* | 0 | 0 | Pass |
| SQL-9  ID(\*) | **Boundary check (MIN/MAX)**  *Validate the range of values in key columns by comparing Min/Max values.* | Min item price- 40  Max item price- 6450  Min quantity- 1  Max quantity- 10  Min profit- 5.2  Max- profit- 838.5 | Min item price- 40  Max item price- 6450  Min quantity- 1  Max quantity- 10  Min profit- 5.2  Max- profit- 838.5 | Pass |

**Notes:**

**Changed the column format to follow standards**

**Data Quality Checks:**

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| Query | **Description** | Results | Notes |
| SQL-10  ID(\*) | **Profit consistency**  *Checks that the profit column hold accurate data* | Example:  ID = 127 has a Calculated profit of 1710.82 but profit in data was 1317.18 | 280 records of inconsistent profit |
| SQL-11  ID(\*) | **Gender Total Check**  *Ensure ‘Gender’ counts match declared values*  *M=1815*  *F=1665* | Sum of females and males are equal to overall records. | Every record is either female or male not both. |
| SQL-12  ID(\*) | **Time validation**  *Checks if the time-related data is consistent throughout different columns in the data* | 2685 records have a mismatched time from the purchase \_date and the time column | Various issues of swapping records to 24 hour when not necessary (ID 3473) and shifting time by an hour (ID 913) |
| SQL-13  ID(\*) | **Checking Time within bounds**  *Sets loose bounds and finds records not in those bounds.* | From the bounds set, there are 28 records using the time column that are incorrectly placed in morning, afternoon, evening and night. | Could suggest no strict bounds for morning afternoon and evening |
| SQL-14  ID(\*) | **Checking Time Bounds**  *Checks the bounds of morning, afternoon, evening and night* | Afternoon is the only period of day with distinct bounds. The morning data ranges from 5:12 to 21:34. The Evening ranges from 5:17 to 19:57. | This suggests there is an error in writing time data. SQL Query 12 investigates how many times are within loose bounds. |
| SQL-15  ID(\*) | **Negative Value Check**  *Check for no negative values in Quantity,Item Price,Total Amount and Profit.* | No negative values. | All numerical columns are within bounds that make sense i.e can’t have negative price. |