**:**

**Quality Control Form**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID of SQL or Checked Rows** | **Description of Check** | **Result in SOURCE** | **Result in DESTINATION** | **OUTCOME** |
| QC-1 | Total no of rows in each table | Number of rows in 'Album' DataFrame: 347  Number of rows in 'Artist' DataFrame: 275  Number of rows in 'Customer' DataFrame: 59  Number of rows in 'Employee' DataFrame: 8  Number of rows in 'Genre' DataFrame: 25  Number of rows in 'Invoice' DataFrame: 412  Number of rows in 'InvoiceLine' DataFrame: 2240  Number of rows in 'MediaType' DataFrame: 5  Number of rows in 'Playlist' DataFrame: 18  Number of rows in 'Track' DataFrame: 3503  Number of rows in 'PlaylistTrack' DataFrame: 8715 | 347, 275, 59, 8, 25,412, 2240,5,18, 8715, 3503 | pass |
|  |  | Number of columns in 'Album' DataFrame: 3  Number of columns in 'Artist' DataFrame: 2  Number of columns in 'Customer' DataFrame: 13  Number of columns in 'Employee' DataFrame: 15  Number of columns in 'Genre' DataFrame: 2  Number of columns in 'Invoice' DataFrame: 9  Number of columns in 'InvoiceLine' DataFrame: 5  Number of columns in 'MediaType' DataFrame: 2  Number of columns in 'Playlist' DataFrame: 2  Number of columns in 'PlaylistTrack' DataFrame: 2  Number of columns in 'Track' DataFrame: 9 | 3, 2,13,15,2,9,5, 2, 2,2,9 |  |
|  | **ADD ANY ADDITIONAL CHECKS** |  |  |  |
| Q1 |  | 90’s Music 269942.55  Brazilian Music 243245.10  Classical 290274.56  Classical 101 - Deep Cuts 270229.20  Classical 101 - Next Steps 303002.04  Classical 101 - The Basics 297592.44  Grunge 274801.20  Heavy Metal Classic 315627.38  Music 266772.97  Music Videos 294294.00  On-The-Go 1 197459.00  TV Shows 2352558.48 | TV Shows 2352558.483568075117  Music Videos 294294.000000000000  Classical 290274.560000000000  90’s Music 269942.554502369668  Classical 101 - Deep Cuts 270229.200000000000  Music 266772.973556231003  Heavy Metal Classic 315627.384615384615  Classical 101 - The Basics 297592.440000000000  Brazilian Music 243245.102564102564  On-The-Go 1 197459.000000000000  Grunge 274801.200000000000  Classical 101 - Next Steps 303002.040000000000 | PASS |
| Q2 |  | Name UnitPrice  3231 The Long Patrol 1.99  3342 Eggtown 1.99  3340 Confirmed Dead 1.99  3339 LOST In 8:15 1.99  3338 LOST Season 4 Trailer 1.99  3337 The Beginning of the End 1.99  3336 Past, Present, and Future 1.99  3164 The Brig 1.99  3165 .07% 1.99  3166 Five Years Gone 1.99 | Torn 1.99  Unfinished Business 1.99  Exodus, Pt. 1 1.99  Collaborators 1.99  A Measure of Salvation 1.99  Hero 1.99  Battlestar Galactica: The Story So Far 1.99  Occupation / Precipice 1.99  Exodus, Pt. 2 1.99  The Passage 1.99 | PASS |
| Q3 |  | CustomerId FirstName LastName Total  5 6 Helena Holý 49.62  25 26 Richard Cunningham 47.62  56 57 Luis Rojas 46.62  45 46 Hugh O'Reilly 45.62  44 45 Ladislav Kovács 45.62  36 37 Fynn Zimmermann 43.62  27 28 Julia Barnett 43.62  23 24 Frank Ralston 43.62  6 7 Astrid Gruber 42.62  24 25 Victor Stevens 42.62  43 44 Terhi Hämäläinen 41.62  4 5 František Wichterlová 40.62  42 43 Isabelle Mercier 40.62  47 48 Johannes Van der Berg 40.62  16 17 Jack Smith 39.62 | 59 Puja Srivastava 36.64  54 Steve Murray 37.62  16 Frank Harris 37.62  8 Daan Peeters 37.62  50 Enrique Muñoz 37.62  23 John Gordon 37.62  33 Ellie Sullivan 37.62  29 Robert Brown 37.62  21 Kathy Chase 37.62  12 Roberto Almeida 37.62  55 Mark Taylor 37.620000000000005  27 Patrick Gray 37.620000000000005  38 Niklas Schröder 37.620000000000005  35 Madalena Sampaio 37.620000000000005  13 Fernanda Ramos 37.620000000000005 | Fail |
| Q4 |  | USA 523.06 | USA 523.0600000000003 | Pass |
|  |  |  |  |  |
| Q5 |  | The Trooper 5  Untitled 4  Sure Know Something 4  The Number Of The Beast 4  Hallowed Be Thy Name 4  Eruption 4  Flying High Again 3 | The Trooper 5  Untitled 4  Sure Know Something 4  The Number Of The Beast 4  Hallowed Be Thy Name 4  Eruption 4  Flying High Again 3 | Pass |
| Q6, |  | MPEG audio file 1976 | MPEG audio file 1976 | pass |
| Q7 |  | BillingCountry invoice\_count  22 USA 91  5 Canada 56  4 Brazil 35  10 France 35  11 Germany 28  23 United Kingdom 21  7 Czech Republic 14  19 Portugal 14  13 India 13  15 Italy 7  21 Sweden 7  20 Spain 7  18 Poland 7  17 Norway 7  16 Netherlands 7  0 Argentina 7  14 Ireland 7  1 Australia 7  9 Finland 7  8 Denmark 7  6 Chile 7  3 Belgium 7  2 Austria 7  12 Hungary 7 | USA 91  Canada 56  France 35  Brazil 35  Germany 28  United Kingdom 21  Portugal 14  Czech Republic 14  India 13  Norway 7  Sweden 7  Belgium 7  Netherlands 7  Hungary 7  Austria 7  Poland 7  Australia 7  Ireland 7  Italy 7  Denmark 7  Spain 7  Finland 7  Chile 7  Argentina 7 | pass |
| Q8 |  | Name\_y track\_count  18 Rock 1297  12 Latin 579  13 Metal 374  1 Alternative & Punk 332  11 Jazz 130  23 TV Shows 93  2 Blues 81  4 Classical 74  6 Drama 64  16 R&B/Soul 61  17 Reggae 58  15 Pop 48  22 Soundtrack 43  0 Alternative 40  10 Hip Hop/Rap 35  8 Electronica/Dance 30  9 Heavy Metal 28  24 World 28  20 Sci Fi & Fantasy 26  7 Easy Listening 24  5 Comedy 17  3 Bossa Nova 15  21 Science Fiction 13  19 Rock And Roll 12  14 Opera 1 | Rock 1297  Latin 579  Metal 374  Alternative & Punk 332  Jazz 130  TV Shows 93  Blues 81  Classical 74  Drama 64  R&B/Soul 61  Reggae 58  Pop 48  Soundtrack 43  Alternative 40  Hip Hop/Rap 35  Electronica/Dance 30  Heavy Metal 28  World 28  Sci Fi & Fantasy 26  Easy Listening 24  Comedy 17  Bossa Nova 15  Science Fiction 13  Rock And Roll 12  Opera 1 | pass |
| Q9 |  | FirstName\_y LastName\_y total\_sales  0 Jane Peacock 833.04  1 Margaret Park 775.40  2 Steve Johnson 720.16 | Jane Peacock 833.0400000000016  Margaret Park 775.4000000000005  Steve Johnson 720.1600000000011 | pass |
| Q10 |  | FirstName\_y Jane  LastName\_y Peacock  total\_sales 833.04 | Jane Peacock 833.0400000000016 | pass |