

### 00. Source Table

| Obs | customer_id | customer_name | customer_dob | customer_address                              |
|-----|-------------|---------------|--------------|---|
| 1   | 9900001     | Sarah Smith   | 23JUN1987    | 123 River Drive, Hamilton, HA01 5TH Testland  |
| 2   | 9900002     | Matthew Round | 02MAR2000    | 456 Busy Street, New Thems, TH23 7UL Testland |

### 01. Initial Run

| Obs | customer_id | customer_name | customer_dob | customer_address                                    | db_unique_row  | db_update_dt     | db_insert_dt     | db_latest_row | db_action |
|-----|-------------|---------------|--------------|---|--|------------------|------------------|---------------|-----------|
| 1   | 9900001     | Sarah Smith   | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland  | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |
| 2   | 9900002     | Matthew Round | 02MAR2000    | 456 Busy Street,<br>New Thems, TH23<br>7UL Testland | 4C2F8E41334CED3A23C23C3FB88ADC52A3EAD75A4E5C2F9144B75F441AD9CD40 | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |

## 02. No Changes

| Obs | customer_id | db_unique_row  | customer_name | customer_dob | customer_address                                    | db_update_dt     | db_insert_dt     | db_latest_row | db_action |
|-----|-------------|--|---------------|--------------|---|------------------|------------------|---------------|-----------|
| 1   | 9900001     | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | Sarah Smith   | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland  | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |
| 2   | 9900002     | 4C2F8E41334CED3A23C23C3FB88ADC52A3EAD75A4E5C2F9144B75F441AD9CD40 | Matthew Round | 02MAR2000    | 456 Busy Street,<br>New Thems, TH23<br>7UL Testland | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |

---

### 03. Address Change Table

| Obs | customer_id | customer_name | customer_dob | customer_address                             |
|-----|-------------|---------------|--------------|--|
| 1   | 9900001     | Sarah Smith   | 23JUN1987    | 123 River Drive, Hamilton, HA01 5TH Testland |
| 2   | 9900002     | Matthew Round | 02MAR2000    | 9 Hill Road, Brid, BD05 1HL Testland         |

#### 04. Address Change

| Obs | customer_id | db_unique_row  | customer_name | customer_dob | customer_address                                    | db_update_dt     | db_insert_dt     | db_latest_row | db_action |
|-----|-------------|--|---------------|--------------|---|------------------|------------------|---------------|-----------|
| 1   | 9900001     | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | Sarah Smith   | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland  | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |
| 2   | 9900002     | 4C2F8E41334CED3A23C23C3FB88ADC52A3EAD75A4E5C2F9144B75F441AD9CD40 | Matthew Round | 02MAR2000    | 456 Busy Street,<br>New Thems, TH23<br>7UL Testland | 20FEB21:16:01:39 | 20FEB21:16:01:33 | 0             | new       |
| 3   | 9900002     | 12142042C30B391E7A99E2B6B80EC2A16612A71F8359DA39404849EE34BB4FE5 | Matthew Round | 02MAR2000    | 9 Hill Road, Brid,<br>BD05 1HL Testland             | 31DEC99:00:00:00 | 20FEB21:16:01:39 | 1             | change    |

### 05. No Changes

| Obs | customer_id | db_unique_row  | customer_name | customer_dob | customer_address                                    | db_update_dt     | db_insert_dt     | db_latest_row | db_action |
|-----|-------------|--|---------------|--------------|---|------------------|------------------|---------------|-----------|
| 1   | 9900001     | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | Sarah Smith   | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland  | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |
| 2   | 9900002     | 4C2F8E41334CED3A23C23C3FB88ADC52A3EAD75A4E5C2F9144B75F441AD9CD40 | Matthew Round | 02MAR2000    | 456 Busy Street,<br>New Thems, TH23<br>7UL Testland | 20FEB21:16:01:39 | 20FEB21:16:01:33 | 0             | new       |
| 3   | 9900002     | 12142042C30B391E7A99E2B6B80EC2A16612A71F8359DA39404849EE34BB4FE5 | Matthew Round | 02MAR2000    | 9 Hill Road, Brid,<br>BD05 1HL Testland             | 31DEC99:00:00:00 | 20FEB21:16:01:39 | 1             | change    |

---

### 06. New Customer Table

| Obs | customer_id | customer_name    | customer_dob | customer_address                             |
|-----|-------------|------------------|--------------|--|
| 1   | 9900001     | Sarah Smith      | 23JUN1987    | 123 River Drive, Hamilton, HA01 5TH Testland |
| 2   | 9900002     | Matthew Round    | 02MAR2000    | 9 Hill Road, Brid, BD05 1HL Testland         |
| 3   | 9900003     | Jemma Hilderson  | 13FEB1975    |  |
| 4   | 9900004     | Thomas Hilderson | 26APR1976    |  |

### 07. New Customer Change

| Obs | customer_id | db_unique_row  | customer_name       | customer_dob | customer_address                                    | db_update_dt     | db_insert_dt     | db_latest_row | db_action |
|-----|-------------|--|---------------------|--------------|---|------------------|------------------|---------------|-----------|
| 1   | 9900001     | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | Sarah Smith         | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland  | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |
| 2   | 9900002     | 4C2F8E41334CED3A23C23C3FB88ADC52A3EAD75A4E5C2F9144B75F441AD9CD40 | Matthew Round       | 02MAR2000    | 456 Busy Street,<br>New Thems, TH23<br>7UL Testland | 20FEB21:16:01:39 | 20FEB21:16:01:33 | 0             | new       |
| 3   | 9900002     | 12142042C30B391E7A99E2B6B80EC2A16612A71F8359DA39404849EE34BB4FE5 | Matthew Round       | 02MAR2000    | 9 Hill Road, Brid,<br>BD05 1HL Testland             | 31DEC99:00:00:00 | 20FEB21:16:01:39 | 1             | change    |
| 4   | 9900003     | F47783B6B74814470F348B16A30C95D3D5BAE9AB957220B6DC39AA37D69B0E12 | Jemma<br>Hilderson  | 13FEB1975    |   | 31DEC99:00:00:00 | 20FEB21:16:01:46 | 1             | new       |
| 5   | 9900004     | D12993BA41AFA38694C312B4D0F9410DBADA20DF5FC4C6964BE09284A0A489E6 | Thomas<br>Hilderson | 26APR1976    |   | 31DEC99:00:00:00 | 20FEB21:16:01:46 | 1             | new       |



### 08. No Changes

| Obs | customer_id | db_unique_row  | customer_name       | customer_dob | customer_address                                    | db_update_dt     | db_insert_dt     | db_latest_row | db_action |
|-----|-------------|--|---------------------|--------------|---|------------------|------------------|---------------|-----------|
| 1   | 9900001     | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | Sarah Smith         | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland  | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |
| 2   | 9900002     | 4C2F8E41334CED3A23C23C3FB88ADC52A3EAD75A4E5C2F9144B75F441AD9CD40 | Matthew Round       | 02MAR2000    | 456 Busy Street,<br>New Thems, TH23<br>7UL Testland | 20FEB21:16:01:39 | 20FEB21:16:01:33 | 0             | new       |
| 3   | 9900002     | 12142042C30B391E7A99E2B6B80EC2A16612A71F8359DA39404849EE34BB4FE5 | Matthew Round       | 02MAR2000    | 9 Hill Road, Brid,<br>BD05 1HL Testland             | 31DEC99:00:00:00 | 20FEB21:16:01:39 | 1             | change    |
| 4   | 9900003     | F47783B6B74814470F348B16A30C95D3D5BAE9AB957220B6DC39AA37D69B0E12 | Jemma<br>Hilderson  | 13FEB1975    |   | 31DEC99:00:00:00 | 20FEB21:16:01:46 | 1             | new       |
| 5   | 9900004     | D12993BA41AFA38694C312B4D0F9410DBADA20DF5FC4C6964BE09284A0A489E6 | Thomas<br>Hilderson | 26APR1976    |   | 31DEC99:00:00:00 | 20FEB21:16:01:46 | 1             | new       |

---

### 09. Delete Customer Table

| Obs | customer_id | customer_name    | customer_dob | customer_address                             |
|-----|-------------|------------------|--------------|--|
| 1   | 9900001     | Sarah Smith      | 23JUN1987    | 123 River Drive, Hamilton, HA01 5TH Testland |
| 2   | 9900003     | Jemma Hilderson  | 13FEB1975    |  |
| 3   | 9900004     | Thomas Hilderson | 26APR1976    |  |

### 10. Delete Customer

| Obs | customer_id | db_unique_row  | customer_name       | customer_dob | customer_address                                    | db_update_dt     | db_insert_dt     | db_latest_row | db_action |
|-----|-------------|--|---------------------|--------------|---|------------------|------------------|---------------|-----------|
| 1   | 9900001     | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | Sarah Smith         | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland  | 31DEC99:00:00:00 | 20FEB21:16:01:33 | 1             | new       |
| 2   | 9900002     | 4C2F8E41334CED3A23C23C3FB88ADC52A3EAD75A4E5C2F9144B75F441AD9CD40 | Matthew Round       | 02MAR2000    | 456 Busy Street,<br>New Thems, TH23<br>7UL Testland | 20FEB21:16:01:39 | 20FEB21:16:01:33 | 0             | new       |
| 3   | 9900002     | 12142042C30B391E7A99E2B6B80EC2A16612A71F8359DA39404849EE34BB4FE5 | Matthew Round       | 02MAR2000    | 9 Hill Road, Brid,<br>BD05 1HL Testland             | 20FEB21:16:01:52 | 20FEB21:16:01:39 | 0             | change    |
| 4   | 9900002     | 12142042C30B391E7A99E2B6B80EC2A16612A71F8359DA39404849EE34BB4FE5 | Matthew Round       | 02MAR2000    | 9 Hill Road, Brid,<br>BD05 1HL Testland             | 31DEC99:00:00:00 | 20FEB21:16:01:52 | 1             | delete    |
| 5   | 9900003     | F47783B6B74814470F348B16A30C95D3D5BAE9AB957220B6DC39AA37D69B0E12 | Jemma<br>Hilderson  | 13FEB1975    |   | 31DEC99:00:00:00 | 20FEB21:16:01:46 | 1             | new       |
| 6   | 9900004     | D12993BA41AFA38694C312B4D0F9410DBADA20DF5FC4C6964BE09284A0A489E6 | Thomas<br>Hilderson | 26APR1976    |   | 31DEC99:00:00:00 | 20FEB21:16:01:46 | 1             | new       |

---

### 11. Multi Address Update. Delete, New Table

| Obs | customer_id | customer_name    | customer_dob | customer_address  |
|-----|-------------|------------------|--------------|---|
| 1   | 9900003     | Jemma Hilderson  | 13FEB1975    | 15 Main Road, South Bank, SB07 7MR Testland                           |
| 2   | 9900004     | Thomas Hilderson | 26APR1976    | 15 Main Road, South Bank, SB07 7MR Testland                           |
| 3   | 9900005     | Harry Octamo     | 03MAY2000    | Apt 9 Seaview Apartments 1020 Board Drive, London, LN34 3BD, Testland |

## 12. Multi Address Update. Delete, New

| Obs | customer_id | db_unique_row  | customer_name       | customer_dob | customer_address  | db_update_dt     | db_insert_dt     | db_latest_row | db_action |
|-----|-------------|--|---------------------|--------------|---|------------------|------------------|---------------|-----------|
| 1   | 9900001     | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | Sarah Smith         | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland                                | 20FEB21:16:01:56 | 20FEB21:16:01:33 | 0             | new       |
| 2   | 9900001     | 90D7424AE23481F3DE8302CA3D8DD2E6AB6F237E98BF15C31C7B808C356D67C7 | Sarah Smith         | 23JUN1987    | 123 River Drive,<br>Hamilton, HA01<br>5TH Testland                                | 31DEC99:00:00:00 | 20FEB21:16:01:56 | 1             | delete    |
| 3   | 9900002     | 4C2F8E41334CED3A23C23C3FB88ADC52A3EAD75A4E5C2F9144B75F441AD9CD40 | Matthew Round       | 02MAR2000    | 456 Busy Street,<br>New Thems, TH23<br>7UL Testland                               | 20FEB21:16:01:39 | 20FEB21:16:01:33 | 0             | new       |
| 4   | 9900002     | 12142042C30B391E7A99E2B6B80EC2A16612A71F8359DA39404849EE34BB4FE5 | Matthew Round       | 02MAR2000    | 9 Hill Road, Brid,<br>BD05 1HL Testland   | 20FEB21:16:01:52 | 20FEB21:16:01:39 | 0             | change    |
| 5   | 9900002     | 12142042C30B391E7A99E2B6B80EC2A16612A71F8359DA39404849EE34BB4FE5 | Matthew Round       | 02MAR2000    | 9 Hill Road, Brid,<br>BD05 1HL Testland   | 31DEC99:00:00:00 | 20FEB21:16:01:52 | 1             | delete    |
| 6   | 9900003     | F47783B6B74814470F348B16A30C95D3D5BAE9AB957220B6DC39AA37D69B0E12 | Jemma<br>Hilderson  | 13FEB1975    |   | 20FEB21:16:01:56 | 20FEB21:16:01:46 | 0             | new       |
| 7   | 9900003     | 15847BDD11541DFADF2E6652BC0EFEA053651CC1ED8A21EF25B9FE3DA8DF064A | Jemma<br>Hilderson  | 13FEB1975    | 15 Main Road,<br>South Bank, SB07<br>7MR Testland                                 | 31DEC99:00:00:00 | 20FEB21:16:01:56 | 1             | change    |
| 8   | 9900004     | D12993BA41AFA38694C312B4D0F9410DBADA20DF5FC4C6964BE09284A0A489E6 | Thomas<br>Hilderson | 26APR1976    |   | 20FEB21:16:01:56 | 20FEB21:16:01:46 | 0             | new       |
| 9   | 9900004     | A873C526F4CB2A74B7E54E4A238CC67969B2D6F8EAF450787214348996616CC8 | Thomas<br>Hilderson | 26APR1976    | 15 Main Road,<br>South Bank, SB07<br>7MR Testland                                 | 31DEC99:00:00:00 | 20FEB21:16:01:56 | 1             | change    |
| 10  | 9900005     | 1E3C3736AC16FC9AB3D76CCFB9450A7EF5F5F0F700211C5DD16005206F519ABD | Harry Octamo        | 03MAY2000    | Apt 9 Seaview<br>Apartments 1020<br>Board Drive,<br>London, LN34 3BD,<br>Testland | 31DEC99:00:00:00 | 20FEB21:16:01:56 | 1             | new       |