**Test Cases for CUSTOMERS Table**

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customers\_customer\_id\_pk

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-- \*\* Valid test \*\*

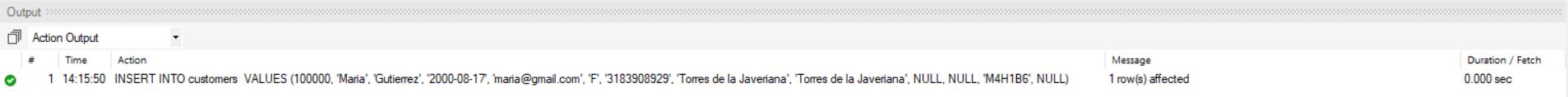
-- Expected results: Insert statement add a row in the customers table

-- Action:

INSERT INTO customers

VALUES (100000, 'Maria', 'Gutierrez', '2000-08-17', 'maria@gmail.com', 'F', '3183908929', 'Torres de la Javeriana', 'Torres de la Javeriana', NULL, NULL, 'M4H1B6', NULL);

-- Test results: 1 row(s) affected



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\*\* InValid test \*\*

-- Expected results: Insert statement fails to add a row in the customers table

-- Action:

INSERT INTO customers

VALUES (100000, 'John', 'Alexander', '1995-10-17', 'alexander@gmail.com', 'M', '6478601662', '347 Lawson Road', '347 Lawson Road', NULL, NULL, 'M1C2J8', NULL);

-- Test results: Error Code: 1062. Duplicate entry '100000' for key 'customers.PRIMARY'



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customers\_email\_uk

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\*\* Valid test \*\*

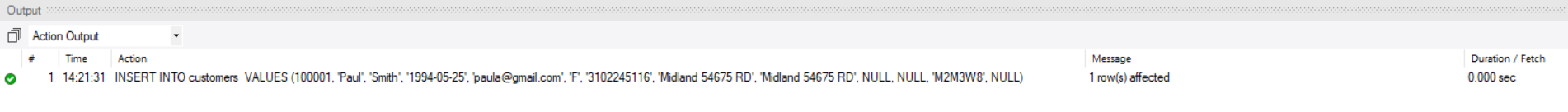
-- Expected results: Insert statement add a row in the customers table

-- Action:

INSERT INTO customers

VALUES (100001, 'Paul', 'Smith', '1994-05-25', 'paula@gmail.com', 'F', '3102245116', 'Midland 54675 RD', 'Midland 54675 RD', NULL, NULL, 'M2M3W8', NULL);

-- Test results: 1 row(s) affected



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\*\* InValid test \*\*

-- Expected results: Update statement fails to modify a row in the customers table

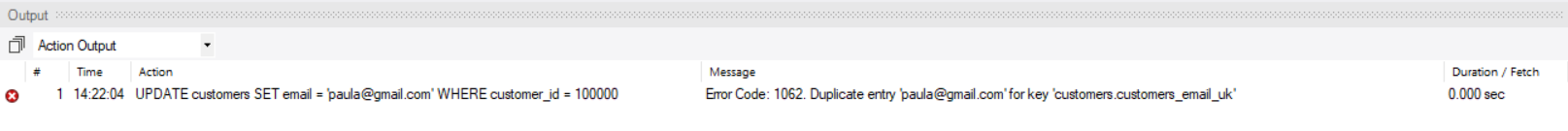
-- Action:

UPDATE customers

SET email = 'paula@gmail.com'

WHERE customer\_id = 100000;

-- Test results: Error Code: 1062. Duplicate entry 'paula@gmail.com' for key 'customers.customers\_email\_uk'



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customers\_contact\_number\_uk

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-- \*\* Valid test \*\*

-- Expected results: Update statement modifies a row in the customers table

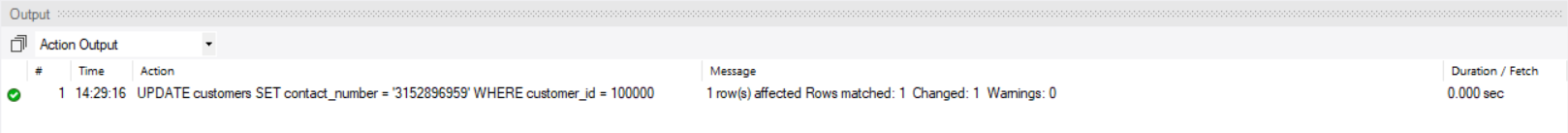
-- Action:

UPDATE customers

SET contact\_number = '3152896959'

WHERE customer\_id = 100000;

-- Test results: 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0



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\*\* InValid test \*\*

-- Expected results: Update statement fails to modify a row in the customers table

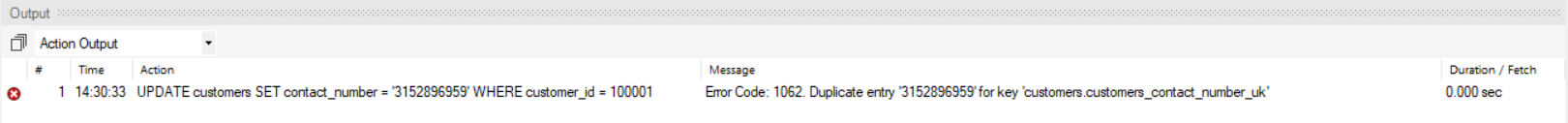
-- Action:

UPDATE customers

SET contact\_number = '3152896959'

WHERE customer\_id = 100001;

-- Test results: Error Code: 1062. Duplicate entry '3152896959' for key 'customers.customers\_contact\_number\_uk'



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customers\_favorite\_craft\_fk

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-- IMPORTANT: 000001, 000002, 000003 craft\_id exits in crafts table

-- \*\* Valid test \*\*

-- Expected results: Update statement modifies a row in the customers table

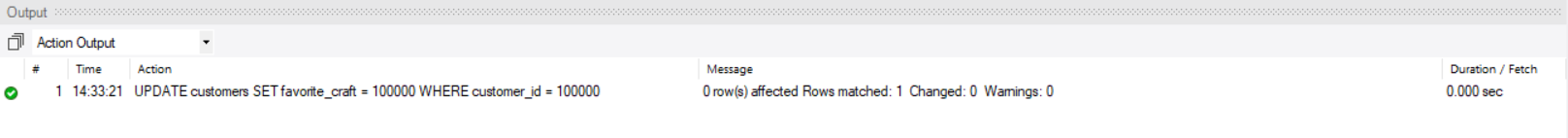
-- Action:

UPDATE customers

SET favorite\_craft = 100000

WHERE customer\_id = 100000;

-- Test results: 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0



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\*\* InValid test \*\*

-- Expected results: Update statement fails to modify a row in the customers table

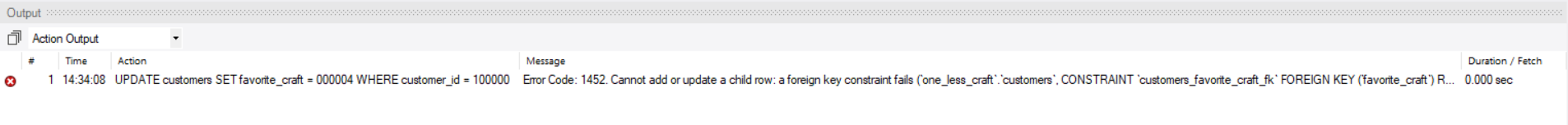
-- Action:

UPDATE customers

SET favorite\_craft = 000004

WHERE customer\_id = 100000;

-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (`one\_less\_craft`.`customers`, CONSTRAINT `customers\_favorite\_craft\_fk` FOREIGN KEY (`favorite\_craft`) REFERENCES `crafts` (`craft\_id`))



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customers\_zip\_code\_fk

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-- IMPORTANT: M1C2J8, M4H1B6, M2M3W8 zip\_code exits in zips table

-- \*\* Valid test \*\*

-- Expected results: Update statement modifies a row in the customers table

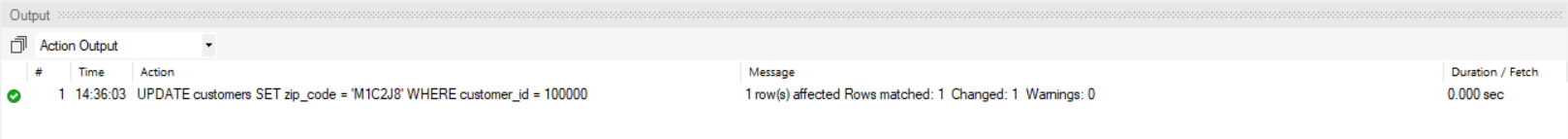
-- Action:

UPDATE customers

SET zip\_code = 'M1C2J8'

WHERE customer\_id = 100000;

-- Test results: 1 row Inserted



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\*\* InValid test \*\*

-- Expected results: Update statement fails to modify a row in the customers table

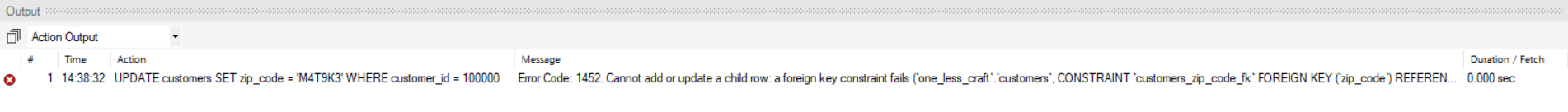
-- Action:

UPDATE customers

SET zip\_code = 'M4T9K3'

WHERE customer\_id = 100000;

-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (`one\_less\_craft`.`customers`, CONSTRAINT `customers\_zip\_code\_fk` FOREIGN KEY (`zip\_code`) REFERENCES `zips` (`zip\_code`))



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customers\_preferred\_sales\_rep\_fk

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-- IMPORTANT: 100001, 100002, 100003 employee\_id exits in employees table

-- \*\* Valid test \*\*

-- Expected results: Update statement modifies a row in the customers table

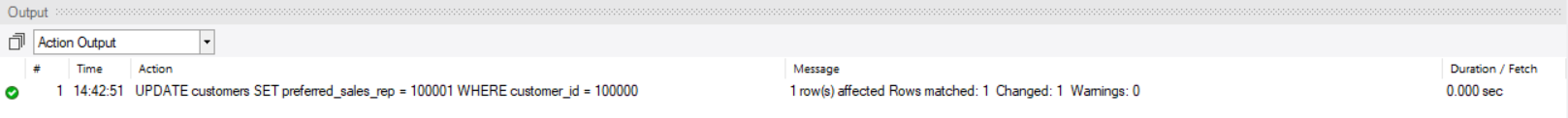
-- Action:

UPDATE customers

SET preferred\_sales\_rep = 100001

WHERE customer\_id = 100000;

-- Test results: 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0



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\*\* InValid test \*\*

-- Expected results: Update statement fails to modify a row in the customers table

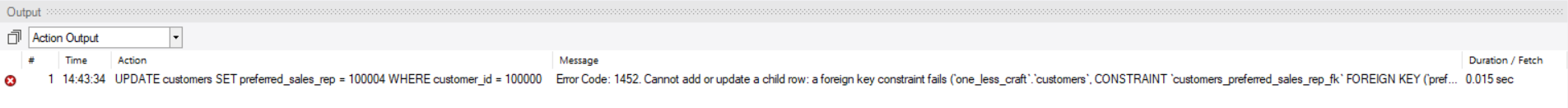
-- Action:

UPDATE customers

SET preferred\_sales\_rep = 100004

WHERE customer\_id = 100000;

-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (`one\_less\_craft`.`customers`, CONSTRAINT `customers\_preferred\_sales\_rep\_fk` FOREIGN KEY (`preferred\_sales\_rep`) REFERENCES `employees` (`employee\_id`))



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customers\_email

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-- \*\* Valid test \*\*

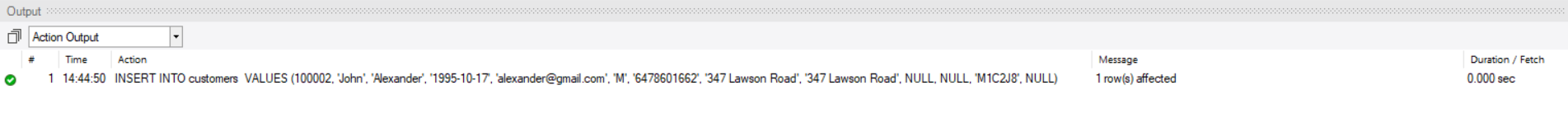
-- Expected results: Insert statement add a row in the customers table

-- Action:

INSERT INTO customers

VALUES (100002, 'John', 'Alexander', '1995-10-17', 'alexander@gmail.com', 'M', '6478601662', '347 Lawson Road', '347 Lawson Road', NULL, NULL, 'M1C2J8', NULL);

-- Test results: 1 row(s) affected



-- ---------------------------------------------------------------------------

\*\* InValid test \*\*

-- Expected results: Update statement fails to modify a row in the customers table

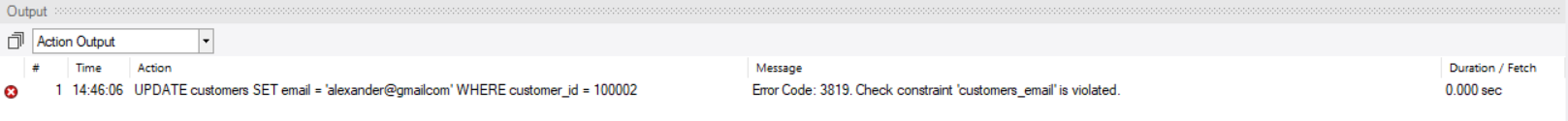
-- Action:

UPDATE customers

SET email = 'alexander@gmailcom'

WHERE customer\_id = 100002;

-- Test results: Error Code: 3819. Check constraint 'customers\_email' is violated.



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customers\_gender

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-- \*\* Valid test \*\*

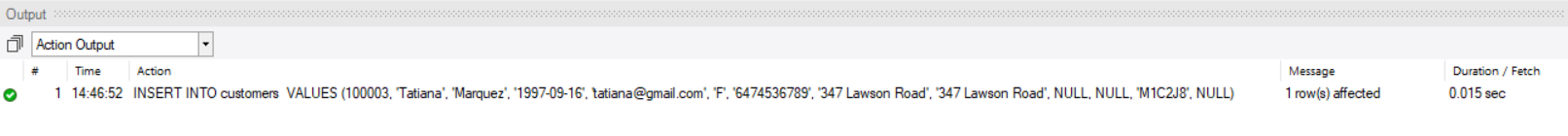
-- Expected results: Insert statement add a row in the customers table

-- Action:

INSERT INTO customers

VALUES (100003, 'Tatiana', 'Marquez', '1997-09-16', 'tatiana@gmail.com', 'F', '6474536789', '347 Lawson Road', '347 Lawson Road', NULL, NULL, 'M1C2J8', NULL);

-- Test results: 1 row(s) affected



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\*\* InValid test \*\*

-- Expected results: Update statement fails to modify a row in the customers table

-- Action:

UPDATE crafts

SET gender = 'B'

WHERE customer\_id = 100003;

-- Test results: Error Code: 1054. Unknown column 'customer\_id' in 'where clause'

