**Test cases for EMPLOYEES Table**

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

employees\_employee\_id\_pk

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

\*\* Valid test \*\*

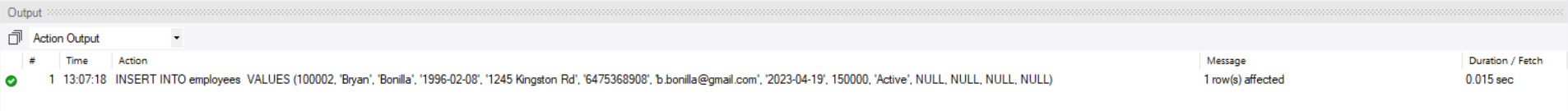
-- Expected results: Insert statement add a row in the employees table

-- Action:

INSERT INTO employees

VALUES (100002, 'Bryan', 'Bonilla', '1996-02-08', '1245 Kingston Rd', '6475368908', 'b.bonilla@gmail.com', '2023-04-19', 150000, 'Active', NULL, NULL, NULL, NULL);

-- Test results: 1 row(s) affected



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

\*\* InValid test \*\*

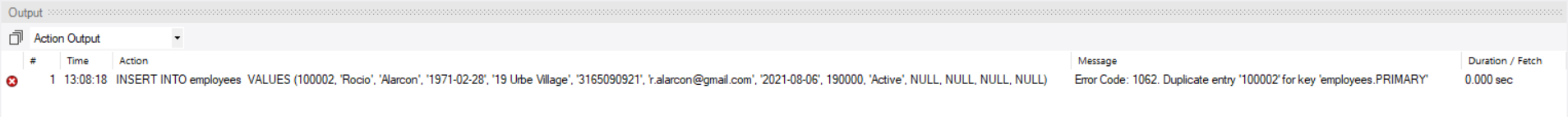
-- Expected results: Insert statement fails to add a row in the employees table

-- Action:

INSERT INTO employees

VALUES (100002, 'Rocio', 'Alarcon', '1971-02-28', '19 Urbe Village', '3165090921', 'r.alarcon@gmail.com', '2021-08-06', 190000, 'Active', NULL, NULL, NULL, NULL);

-- Test results: Error Code: 1062. Duplicate entry '100002' for key 'employees.PRIMARY'



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

employees\_contact\_number\_uk

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

\*\* Valid test \*\*

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

-- Action:

INSERT INTO employees

VALUES (100003, 'Rocio', 'Alarcon', '1971-02-28', '19 Urbe Village', '3165090921', 'r.alarcon@gmail.com', '2021-08-06', 190000, 'Active', NULL, NULL, NULL, NULL);

-- Test results: 1 row(s) affected



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

\*\* InValid test \*\*

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

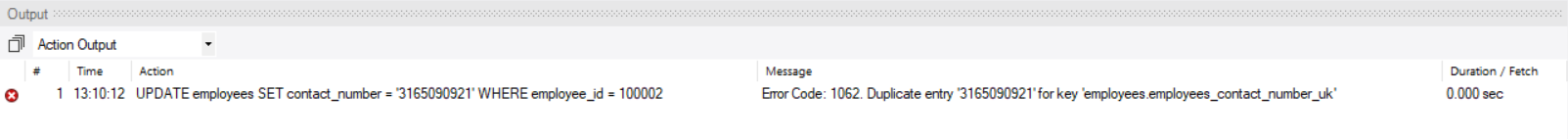
-- Action:

UPDATE employees

SET contact\_number = '3165090921'

WHERE employee\_id = 100002;

-- Test results: Error Code: 1062. Duplicate entry '3165090921' for key 'employees.employees\_contact\_number\_uk'



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

employees\_email\_uk

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

\*\* Valid test \*\*

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

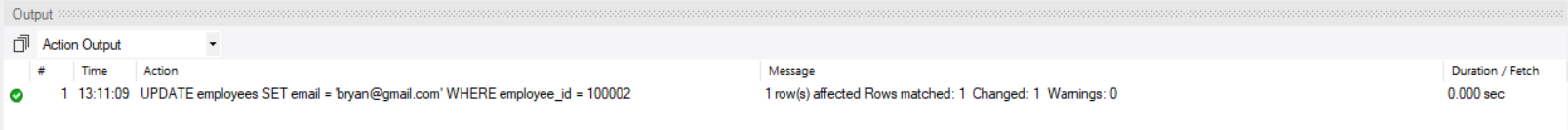
-- Action:

UPDATE employees

SET email = 'bryan@gmail.com'

WHERE employee\_id = 100002;

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



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

\*\* InValid test \*\*

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

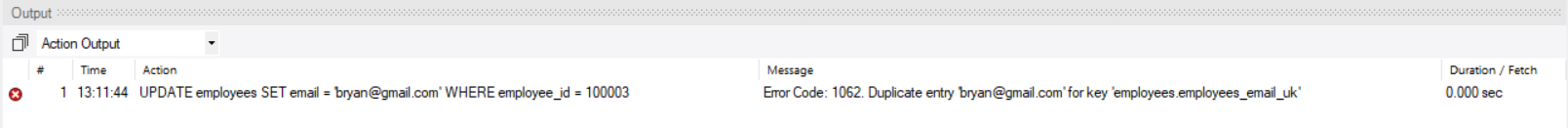
-- Action:

UPDATE employees

SET email = 'bryan@gmail.com'

WHERE employee\_id = 100003;

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



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

employees\_manager\_id\_fk

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

\*\* Valid test \*\*

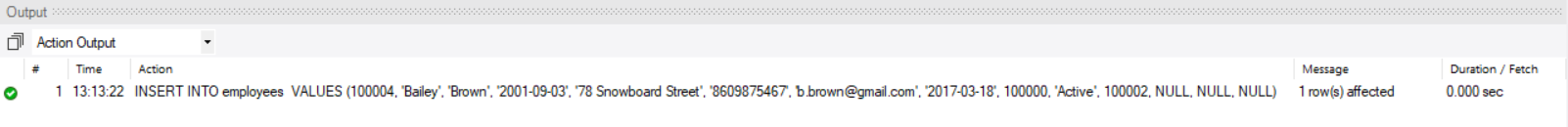
-- Expected results: Insert statement add a row in the employees table

-- Action:

INSERT INTO employees

VALUES (100004, 'Bailey', 'Brown', '2001-09-03', '78 Snowboard Street', '8609875467', 'b.brown@gmail.com', '2017-03-18', 100000, 'Active', 100002, NULL, NULL, NULL);

-- Test results: 1 row(s) affected



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

\*\* InValid test \*\*

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

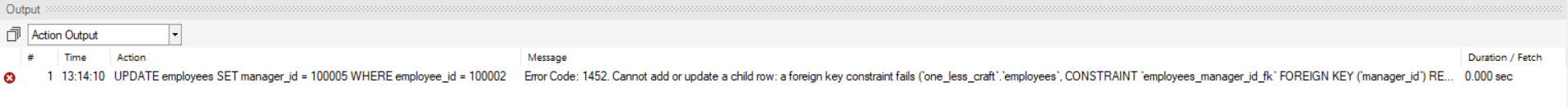
-- Action:

UPDATE employees

SET manager\_id = 100005

WHERE employee\_id = 100002;

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



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

employees\_store\_id\_fk

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

-- IMPORTANT: 123456, 123457, 123458 store\_id exist in the stores table.

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

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

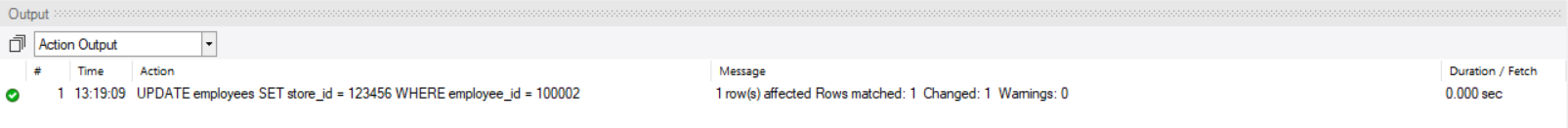
-- Action:

UPDATE employees

SET store\_id = 123456

WHERE employee\_id = 100002;

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



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

\*\* InValid test \*\*

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

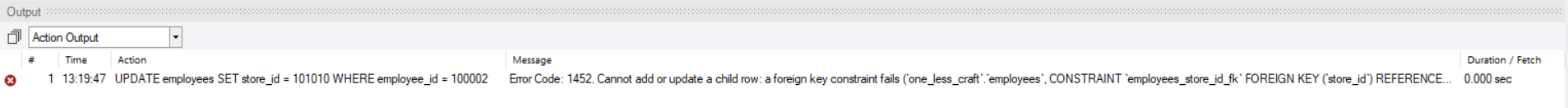
-- Action:

UPDATE employees

SET store\_id = 101010

WHERE employee\_id = 100002;

-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (`one\_less\_craft`.`employees`, CONSTRAINT `employees\_store\_id\_fk` FOREIGN KEY (`store\_id`) REFERENCES `stores` (`store\_id`))



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

employees\_department\_id\_fk

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

-- IMPORTANT: 000111, 000222, 000333 department\_id exist in the departments table.

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

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

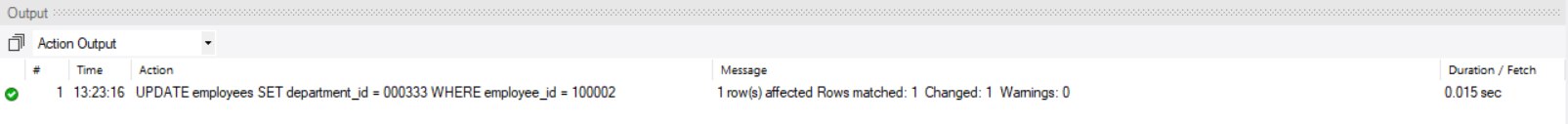
-- Action:

UPDATE employees

SET department\_id = 000333

WHERE employee\_id = 100002;

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



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

\*\* InValid test \*\*

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

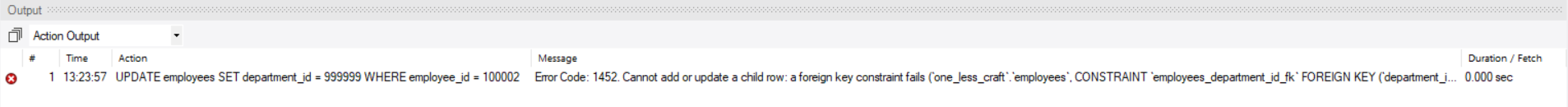
-- Action:

UPDATE employees

SET department\_id = 999999

WHERE employee\_id = 100002;

-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (`one\_less\_craft`.`employees`, CONSTRAINT `employees\_department\_id\_fk` FOREIGN KEY (`department\_id`) REFERENCES `departments` (`department\_id`))



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

employees\_job\_id\_fk

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

-- IMPORTANT: 111000, 222000, 333000 job\_id exist in the jobs table.

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

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

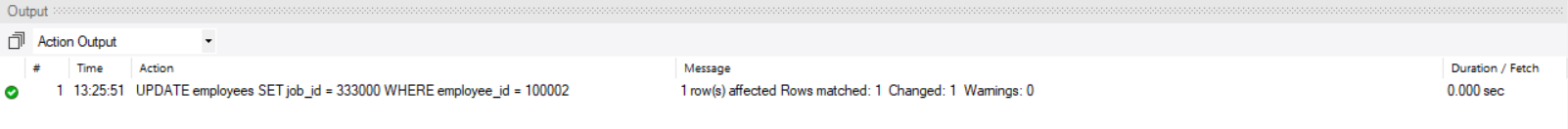
-- Action:

UPDATE employees

SET job\_id = 333000

WHERE employee\_id = 100002;

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



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

\*\* InValid test \*\*

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

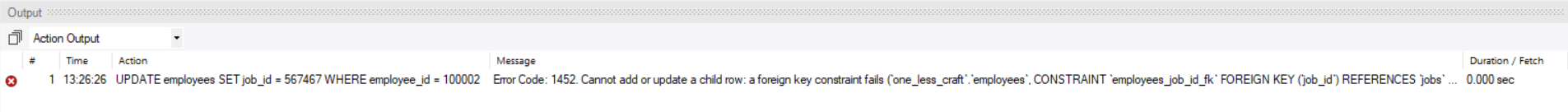
-- Action:

UPDATE employees

SET job\_id = 567467

WHERE employee\_id = 100002;

-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (`one\_less\_craft`.`employees`, CONSTRAINT `employees\_job\_id\_fk` FOREIGN KEY (`job\_id`) REFERENCES `jobs` (`job\_id`))



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

employees\_salary\_range

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

\*\* Valid test #1 \*\*

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

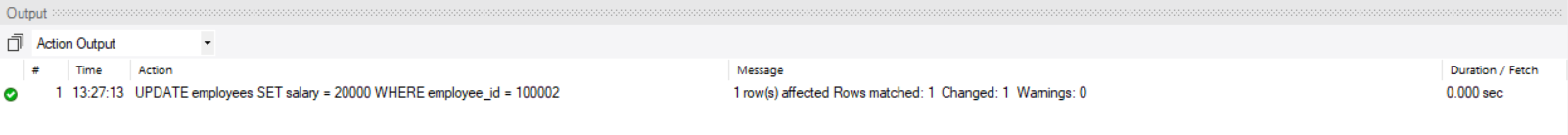
-- Action:

UPDATE employees

SET salary = 20000

WHERE employee\_id = 100002;

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



\*\* Valid test #2 \*\*

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

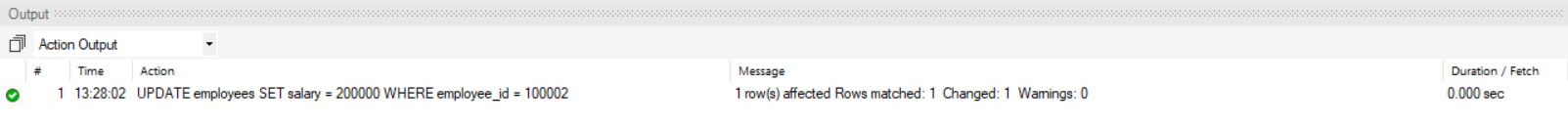
-- Action:

UPDATE employees

SET salary = 200000

WHERE employee\_id = 100002;

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



\*\* Valid test #3 \*\*

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

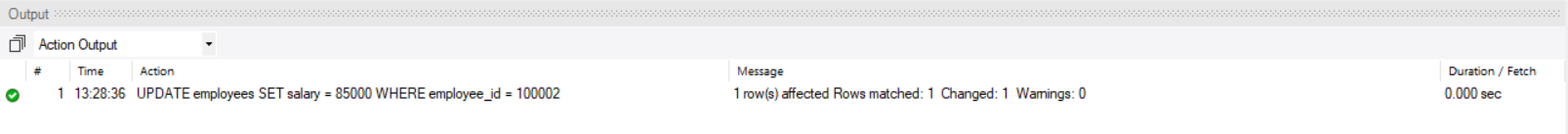
-- Action:

UPDATE employees

SET salary = 85000

WHERE employee\_id = 100002;

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



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

\*\* InValid test #1 \*\*

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

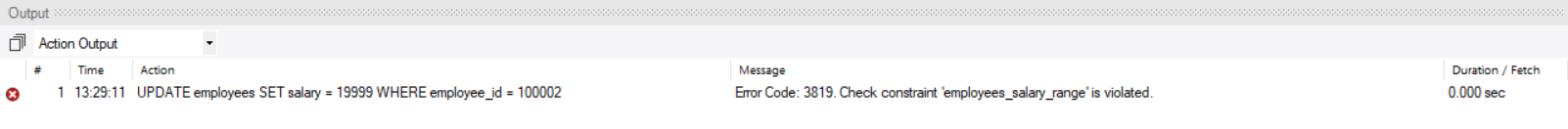
-- Action:

UPDATE employees

SET salary = 19999

WHERE employee\_id = 100002;

-- Test results: Error Code: 3819. Check constraint 'employees\_salary\_range' is violated.



\*\* InValid test #2 \*\*

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

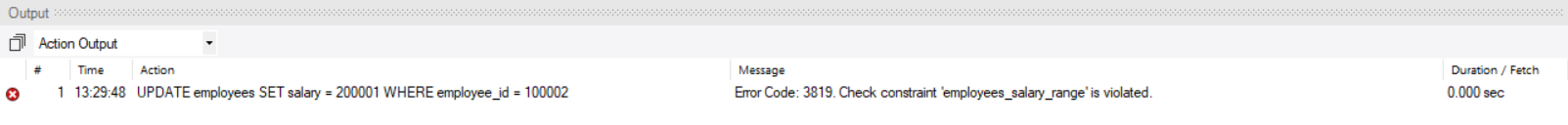
-- Action:

UPDATE employees

SET salary = 200001

WHERE employee\_id = 100002;

-- Test results: Error Code: 3819. Check constraint 'employees\_salary\_range' is violated.



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

employees\_emp\_status

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

\*\* Valid test #1 \*\*

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

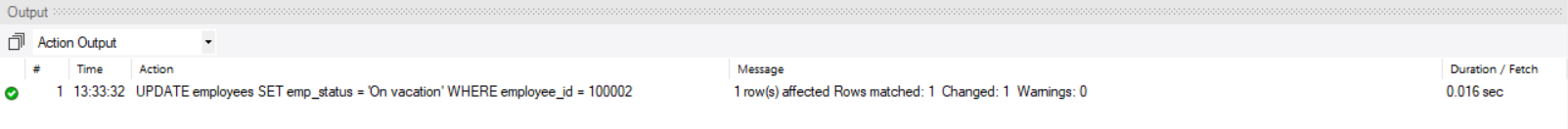
-- Action:

UPDATE employees

SET emp\_status = 'On vacation'

WHERE employee\_id = 100002;

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



\*\* Valid test #2 \*\*

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

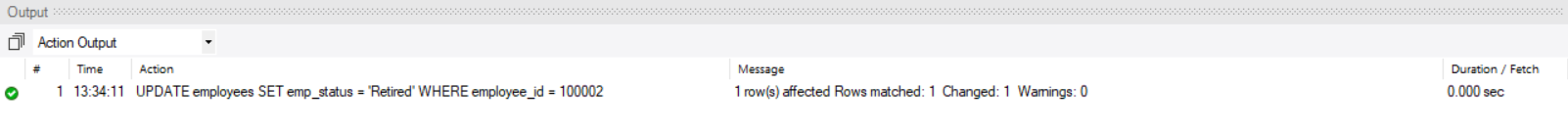
-- Action:

UPDATE employees

SET emp\_status = 'Retired'

WHERE employee\_id = 100002;

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



\*\* Valid test #3 \*\*

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

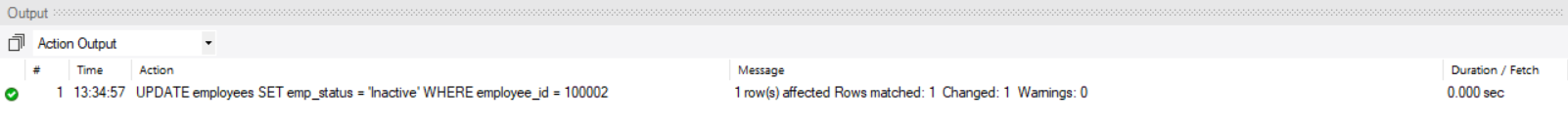
-- Action:

UPDATE employees

SET emp\_status = 'Inactive'

WHERE employee\_id = 100002;

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



\*\* Valid test #4 \*\*

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

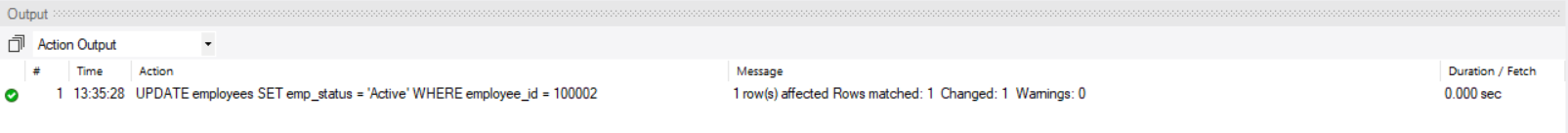
-- Action:

UPDATE employees

SET emp\_status = 'Active'

WHERE employee\_id = 100002;

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



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

\*\* InValid test \*\*

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

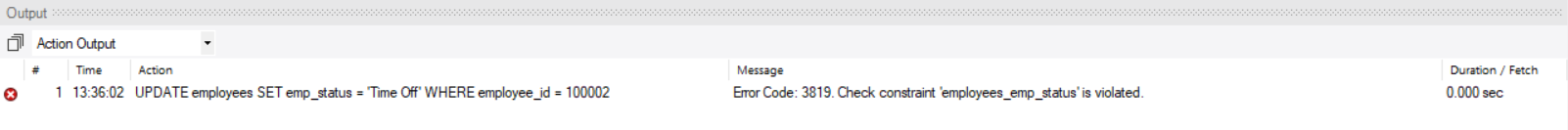
-- Action:

UPDATE employees

SET emp\_status = 'Time Off'

WHERE employee\_id = 100002;

-- Test results:



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

employees\_hire\_date\_gt\_date\_of\_birth

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

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

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

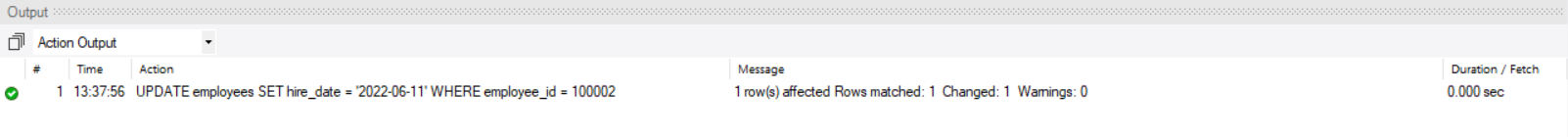
-- Action:

UPDATE employees

SET hire\_date = '2022-06-11' -- DOB = '1996-02-08'

WHERE employee\_id = 100002;

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



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

\*\* InValid test \*\*

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

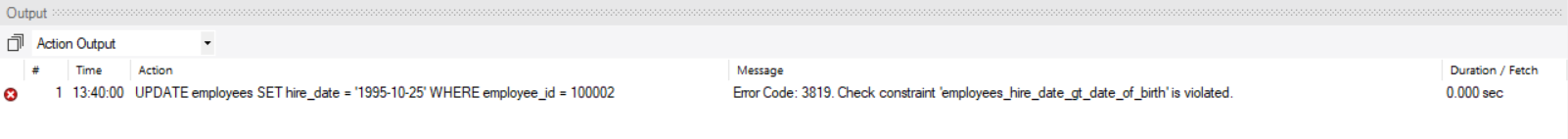
-- Action:

UPDATE employees

SET hire\_date = '1995-10-25'

WHERE employee\_id = 100002;

-- Test results: Error Code: 3819. Check constraint 'employees\_hire\_date\_gt\_date\_of\_birth' is violated.



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

employees\_email

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

\*\* Valid test \*\*

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

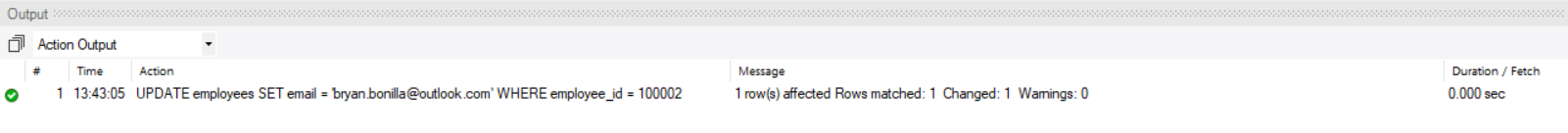
-- Action:

UPDATE employees

SET email = 'bryan.bonilla@outlook.com'

WHERE employee\_id = 100002;

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



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

\*\* InValid test #1 \*\*

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

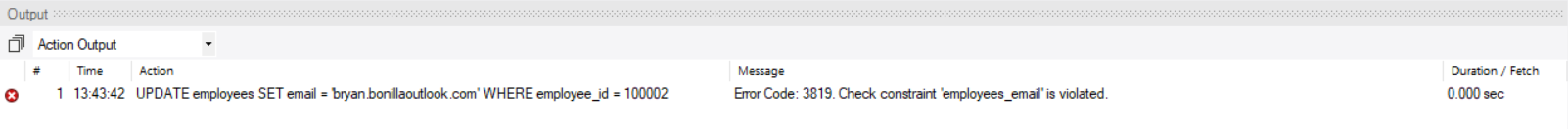
-- Action:

UPDATE employees

SET email = 'bryan.bonillaoutlook.com'

WHERE employee\_id = 100002;

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



\*\* InValid test #2 \*\*

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

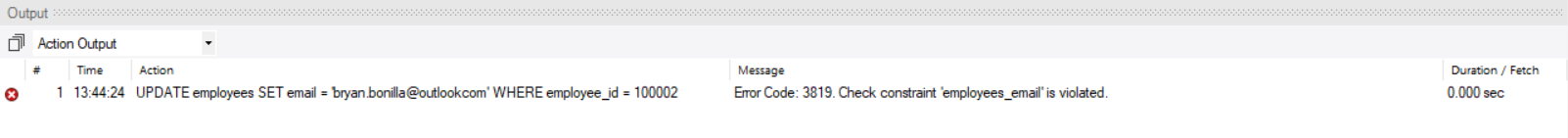
-- Action:

UPDATE employees

SET email = 'bryan.bonilla@outlookcom'

WHERE employee\_id = 100002;

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

****