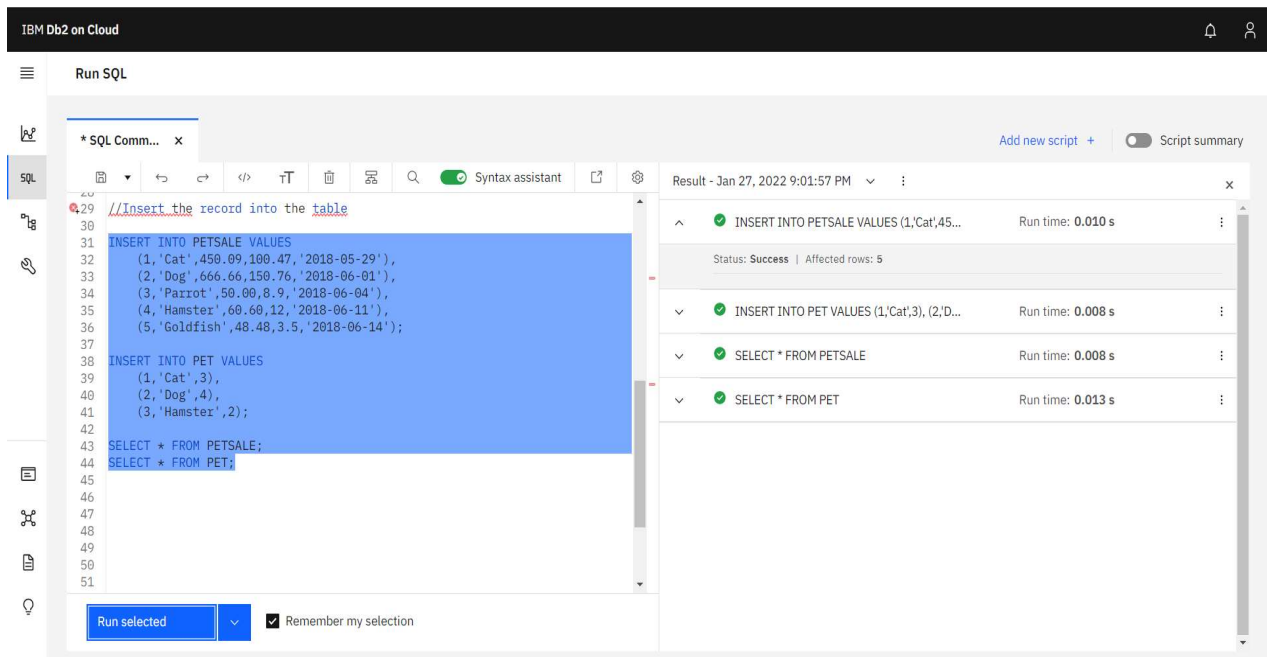


Alter Query

27 January 2022 09:07 PM

1. Alter using add column



The screenshot shows the IBM Db2 on Cloud Run SQL interface. The SQL editor contains the following script:

```
--Insert the record into the table
INSERT INTO PETSale VALUES
(1, 'Cat', 450.09, 100.47, '2018-05-29'),
(2, 'Dog', 666.66, 150.76, '2018-06-01'),
(3, 'Parrot', 50.00, 8.9, '2018-06-04'),
(4, 'Hamster', 60.00, 12, '2018-06-11'),
(5, 'Goldfish', 48.48, 3.5, '2018-06-14');

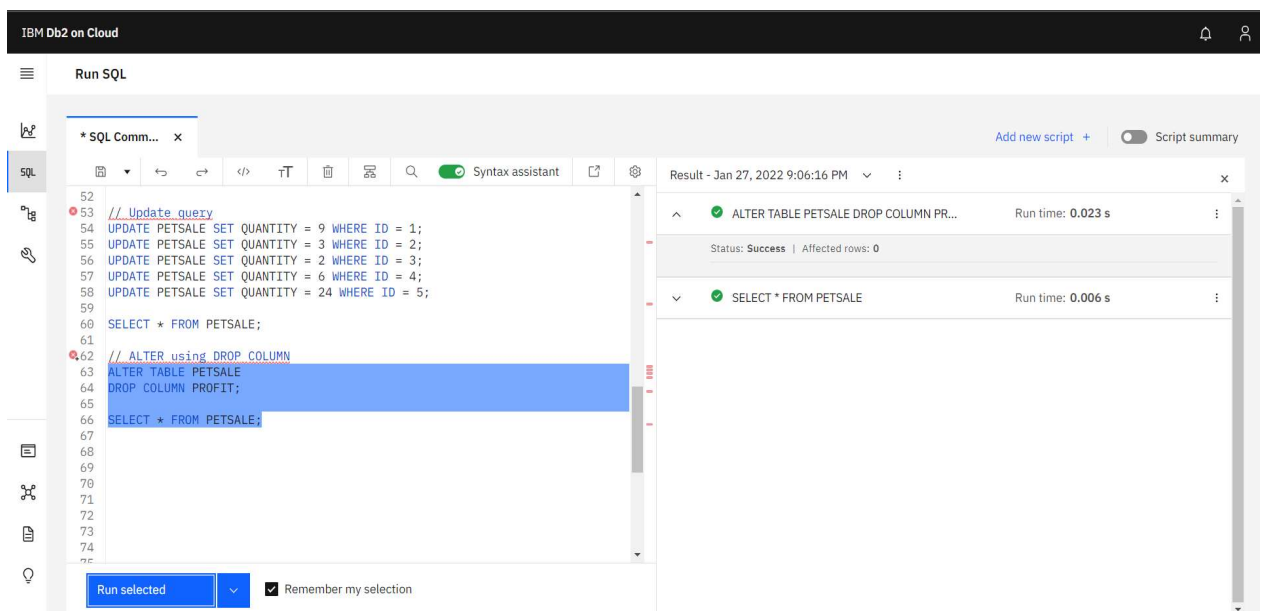
INSERT INTO PET VALUES
(1, 'Cat', 3),
(2, 'Dog', 4),
(3, 'Hamster', 2);

SELECT * FROM PETSale;
SELECT * FROM PET;
```

The results pane shows the following output:

| Statement | Run time | Status | Affected rows |
|---|----------|---------|---------------|
| INSERT INTO PETSale VALUES (1,'Cat',45... | 0.010 s | Success | 5 |
| INSERT INTO PET VALUES (1,'Cat',3), (2,D... | 0.008 s | Success | 3 |
| SELECT * FROM PETSale | 0.008 s | Success | 5 |
| SELECT * FROM PET | 0.013 s | Success | 3 |

2. Alter using drop column



The screenshot shows the IBM Db2 on Cloud Run SQL interface. The SQL editor contains the following script:

```
-- Update query
UPDATE PETSale SET QUANTITY = 9 WHERE ID = 1;
UPDATE PETSale SET QUANTITY = 3 WHERE ID = 2;
UPDATE PETSale SET QUANTITY = 2 WHERE ID = 3;
UPDATE PETSale SET QUANTITY = 6 WHERE ID = 4;
UPDATE PETSale SET QUANTITY = 24 WHERE ID = 5;

SELECT * FROM PETSale;

-- ALTER using DROP COLUMN
ALTER TABLE PETSale
DROP COLUMN PROFIT;

SELECT * FROM PETSale;
```

The results pane shows the following output:

| Statement | Run time | Status | Affected rows |
|---------------------------------------|----------|---------|---------------|
| ALTER TABLE PETSale DROP COLUMN PR... | 0.023 s | Success | 0 |
| SELECT * FROM PETSale | 0.006 s | Success | 5 |

3. Alter using alter column

The screenshot shows the IBM Db2 on Cloud Run SQL interface. The SQL editor contains the following commands:

```
68 // ALTER using ALTER COLUMN
69
70 ALTER TABLE PETSAL
71 ALTER COLUMN PET SET DATA TYPE VARCHAR(20);
72
73 SELECT * FROM PETSAL;
```

The results pane on the right shows the execution of the ALTER TABLE command, which was successful and affected 0 rows. The run time was 0.024 s.

| Statement | Run time | Status | Affected rows |
|---------------------------------------|----------|---------|---------------|
| ALTER TABLE PETSAL ALTER COLUMN PE... | 0.024 s | Success | 0 |
| SELECT * FROM PETSAL | 0.008 s | | |

4. Alter using Rename column

The screenshot shows the IBM Db2 on Cloud Run SQL interface. The SQL editor contains the following commands:

```
75 // Alter using rename column
76 ALTER TABLE PETSAL
77 RENAME COLUMN PET TO ANIMAL;
78
79 SELECT * FROM PETSAL;
```

The results pane on the right shows the execution of the ALTER TABLE command, which was successful and affected 0 rows. The run time was 0.016 s.

| Statement | Run time | Status | Affected rows |
|-----------|----------|---------|---------------|
| AL... | 0.016 s | Success | 0 |
| SE... | 0.005 s | | |