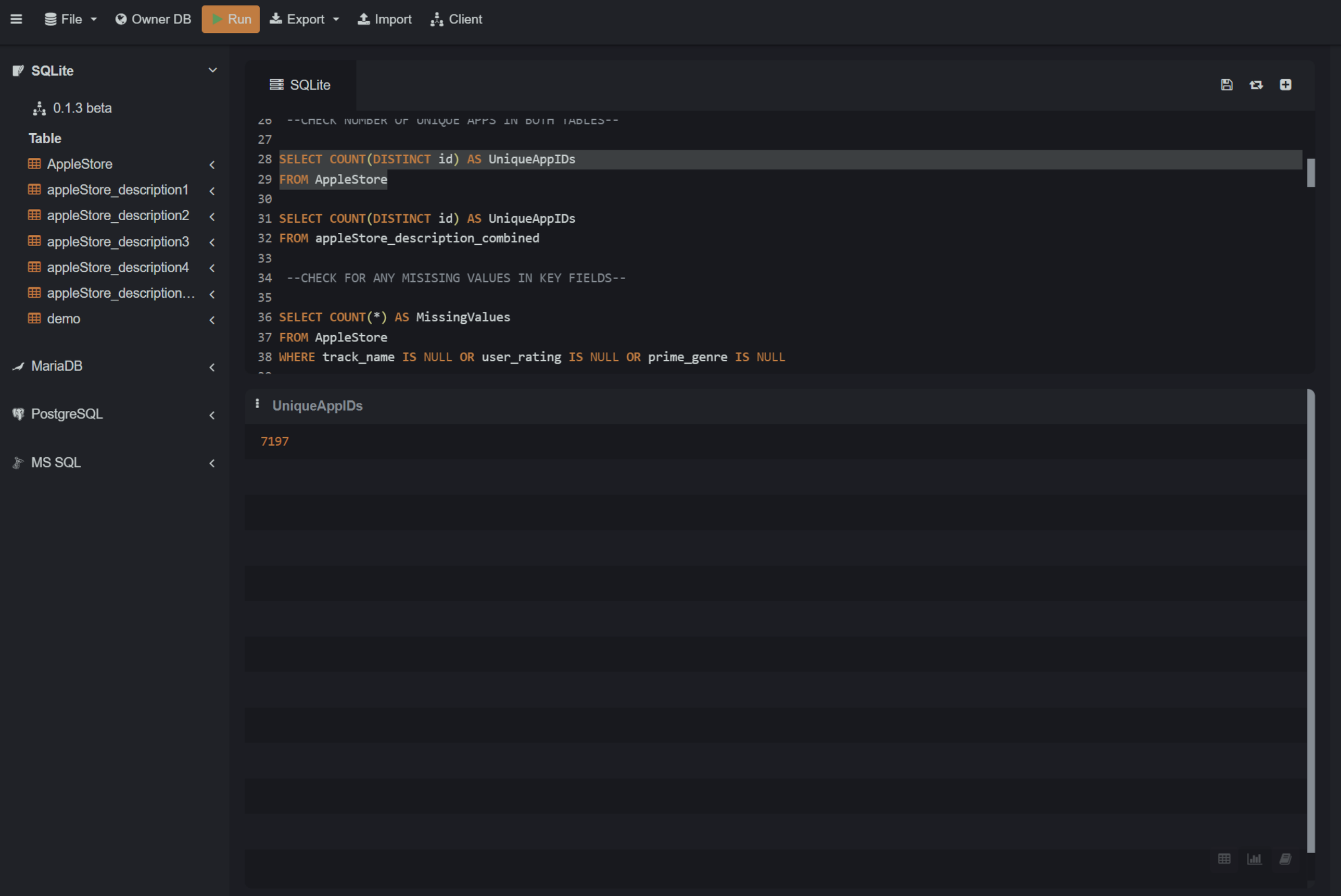
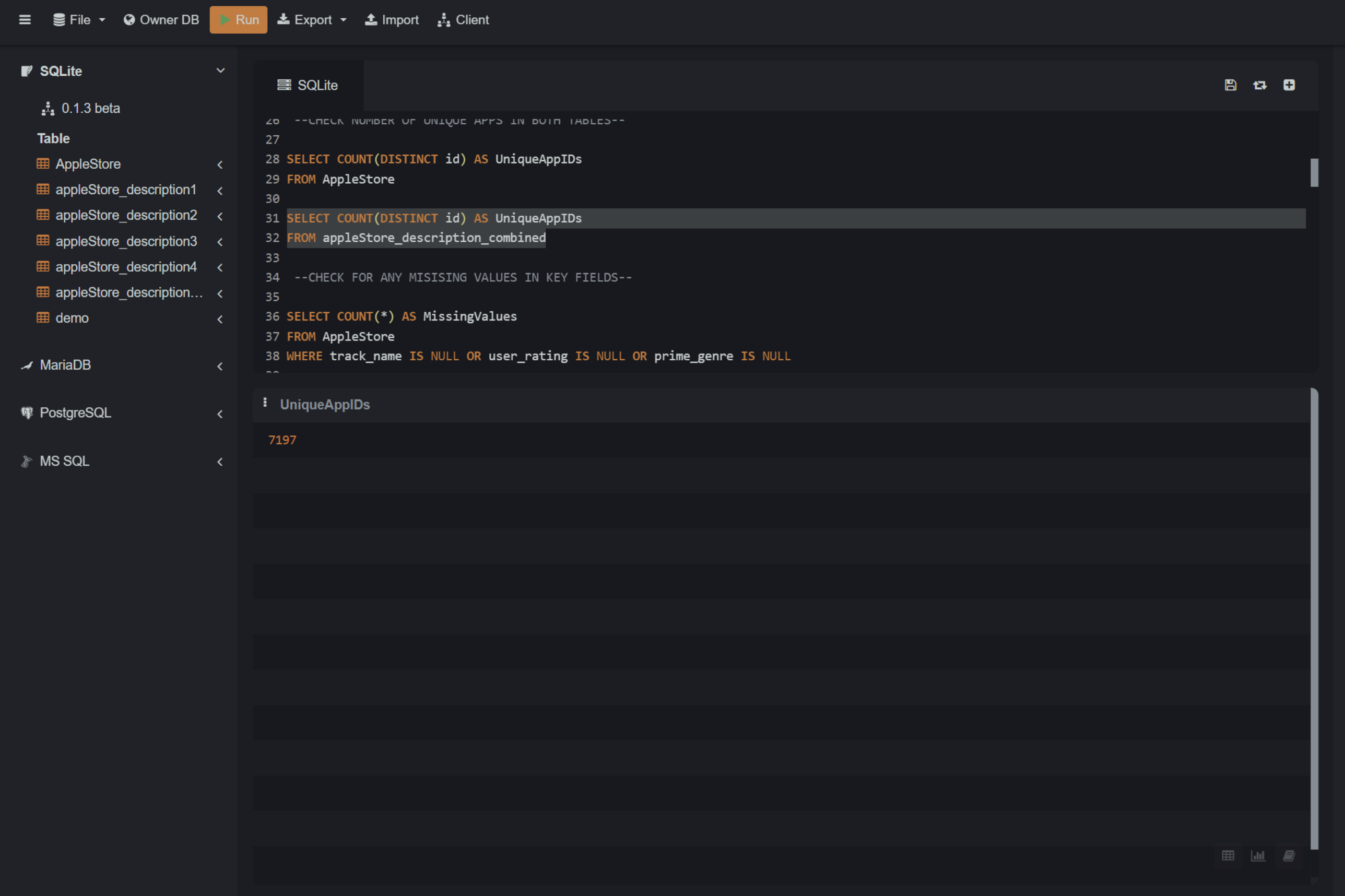

File
Owner DB
Run
Export
Import
Client
SQLite
0.1.3 beta
Table
AppleStore
appleStore_description1
appleStore_description2
appleStore_description3
appleStore_description4
appleStore_description...
demo
MariaDB
PostgreSQL
MS SQL
SQLite
--CHECK NUMBER OF UNIQUE APPS IN BOTH TABLES--
SELECT COUNT(DISTINCT id) AS UniqueAppIDs
FROM AppleStore
SELECT COUNT(DISTINCT id) AS UniqueAppIDs
FROM appleStore_description_combined
--CHECK FOR ANY MISISING VALUES IN KEY FIELDS--
SELECT COUNT(*) AS MissingValues
FROM AppleStore
WHERE track_name IS NULL OR user_rating IS NULL OR prime_genre IS NULL
UniqueAppIDs
7197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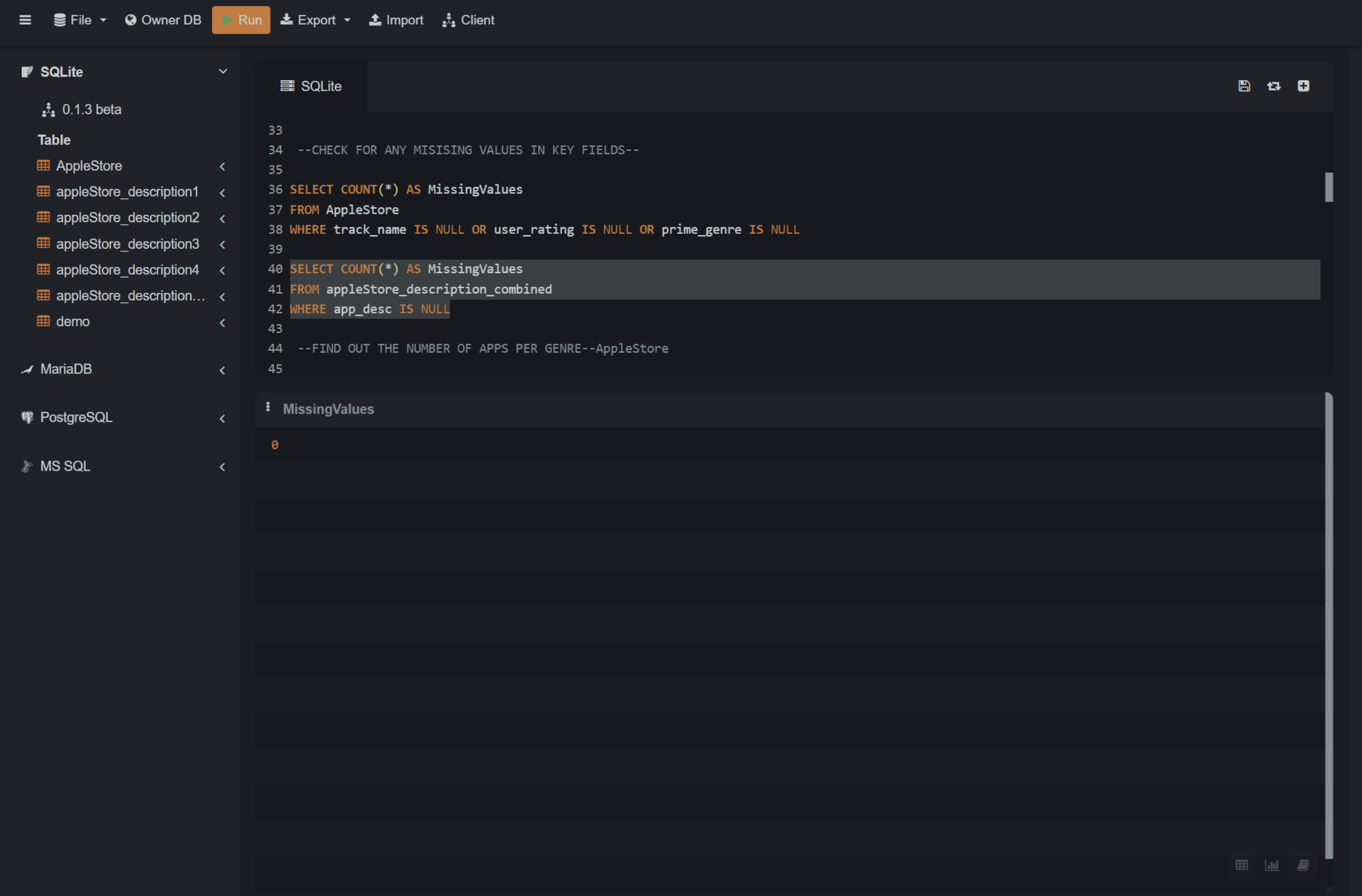
```
33
34  --CHECK FOR ANY MISISING VALUES IN KEY FIELDS--
35
36 SELECT COUNT(*) AS MissingValues
37 FROM AppleStore
38 WHERE track_name IS NULL OR user_rating IS NULL OR prime_genre IS NULL
39
40 SELECT COUNT(*) AS MissingValues
41 FROM appleStore_description_combined
42 WHERE app_desc IS NULL
43
44  --FIND OUT THE NUMBER OF APPS PER GENRE--AppleStore
45
```

MissingValues

MissingValues
0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40 SELECT COUNT(*) AS MissingValues
41 FROM appleStore_description_combined
42 WHERE app_desc IS NULL
43
44 --FIND OUT THE NUMBER OF APPS PER GENRE--AppleStore
45
MissingValues
0

SQLite
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SQLite

```
43
44  --FIND OUT THE NUMBER OF APPS PER GENRE--AppleStore
45
46  SELECT prime_genre, COUNT(*) AS NumApps
47  FROM AppleStore
48  GROUP BY prime_genre
49  ORDER BY NumApps DESC
50
51  --GET AN OVERVIEIW OF THE APPS' RATINGS--
52
53 SELECT
54 min(user_rating) AS MinRating,
55 max(user_rating) AS MaxRating,
```

prime_genre	NumApps
Games	3862
Entertainment	535
Education	453
Photo & Video	349
Utilities	248
Health & Fitness	180
Productivity	178
Social Networking	167
Lifestyle	144
Music	138
Shopping	122
Sports	114
Book	112

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appleStore_description4
appleStore_description...
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SQLite

```
48 GROUP BY prime_genre
49 ORDER BY NumApps DESC
50
51 --GET AN OVERVIEIW OF THE APPS' RATINGS--
52
53 SELECT
54 min(user_rating) AS MinRating,
55 max(user_rating) AS MaxRating,
56 avg(user_rating) AS AvgRating
57 FROM AppleStore
58
59 --GET THE DISTRIBUTION OF APP PRICES--
60
```

MinRating	MaxRating	AvgRating
0	5	3.526955675976101

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```
58
59 --GET THE DISTRIBUTION OF APP PRICES--
60
61 SELECT
62     (price / 2) *2 AS PriceBinStart,
63     ((price / 2) *2) +2 AS PriceBinEnd,
64     COUNT(*) AS NumApps
65 FROM AppleStore
66 GROUP BY PriceBinStart
67 ORDER BY PriceBinStart
68
69 **DATA ANALYSIS**
70
```

PriceBinStart	PriceBinEnd	NumApps
0	2	4056
0.99	2.99	728
1.99	3.99	621
2.99	4.99	683
3.99	5.99	277
4.99	6.99	394
5.99	7.99	52
6.99	8.99	166
7.99	9.99	33
8.99	10.99	9
9.99	11.99	81
11.99	13.99	6
12.99	14.99	5

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SQLite

```
68
69 **DATA ANALYSIS**
70
71 --Determine whether paid apps have higher ratings than free appsAppleStore
72
73 SELECT CASE
74            WHEN price > 0 THEN 'Paid'
75            ELSE 'Free'
76        END AS App_Type,
77        avg(user_rating) AS Avg_Rating
78 FROM AppleStore
79 GROUP BY App_Type
80
```

App_Type	Avg_Rating
Free	3.3767258382642997
Paid	3.720948742438714

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```
82 --CHECK IF APPS WITH MOORE SUPPORTED LANGUAGES HAVE HIGHER RATINGSAppleStore
83
84 SELECT CASE
85            WHEN lang_num < 10 THEN '<10 languges'
86            WHEN lang_num BETWEEN 10 AND 30 THEN '10-30 languages'
87            ELSE '>30 languages'
88        END AS language_bucket,
89        avg(user_rating) AS Avg_Rating
90 FROM AppleStore
91 GROUP BY language_bucket
92 ORDER BY Avg_Rating DESC
93
```

language_bucket	Avg_Rating
10-30 languages	4.1305120910384066
>30 languages	3.7777777777777777
<10 languges	3.368327402135231

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appleStore_description...
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SQLite

```
92 ORDER BY Avg_Rating DESC
93
94 --CHECK GENRES WITH LOW RATINGS--
95
96 SELECT prime_genre,
97        avg(user_rating) AS Avg_Rating
98 FROM AppleStore
99 GROUP BY prime_genre
100 ORDER BY Avg_Rating ASC
101 LIMIT 10
102
103 --CHECK IF THERE IS CORRELATION BETWEEN THE LENGHT OF THE APP DESCRIPTION AND THE USER RATING--
104
```

prime_genre	Avg_Rating
Catalogs	2.1
Finance	2.4326923076923075
Book	2.4776785714285716
Navigation	2.6847826086956523
Lifestyle	2.8055555555555554
News	2.98
Sports	2.982456140350877
Social Networking	2.9850299401197606
Food & Drink	3.1825396825396823
Entertainment	3.2467289719626167

SQLite

```
--CHECK IF THERE IS CORRELATION BETWEEN THE LENGHT OF THE APP DESCRIPTION AND THE USER RATING--

SELECT CASE
           WHEN length(b.app_desc) <500 THEN 'Short'
           WHEN length(b.app_desc) BETWEEN 500 AND 1000 THEN 'Medium'
           ELSE 'Long'
       END AS description_lenght_bucket,
       avg(a.user_rating) AS average_rating
FROM
    AppleStore AS a
JOIN
    appleStore_description_combined AS b
ON
    a.id = b.id

GROUP BY description_lenght_bucket
ORDER BY average_Rating DESC
```

120

description_lenght_bucket	average_rating
Long	3.855946944988041
Medium	3.232809430255403
Short	2.533613445378151

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SQLite

```
116     a.id = b.id
117
118 GROUP BY description_lenght_bucket
119 ORDER BY average_Rating DESC
appleStore_description2
121 --CHECK THE TOP-RATED APPS FOR EACH GENRE--AppleStore
122
123 SELECT
124     prime_genre,
125     track_name,
126     user_rating
127 FROM (
128         SELECT
129         prime_genre,
130         track_name,
131         user_rating,
132         RANK() OVER(PARTITION BY prime_genre ORDER BY user_rating DESC, rating_count_tot DESC) AS rank
133         FROM
134         AppleStore
135       ) AS a
136 WHERE
137 a.rank = 1
```

prime_genre	track_name	user_rating
Book	Color Therapy Adult Color…	5
Business	TurboScan™ Pro - docum…	5
Catalogs	CPlus for Craigslist app - …	5
Education	Elevate - Brain Training a…	5
Entertainment	Bruh-Button	5
Finance	Credit Karma: Free Credit…	5
Food & Drink	Domino's Pizza USA	5
Games	Head Soccer	5