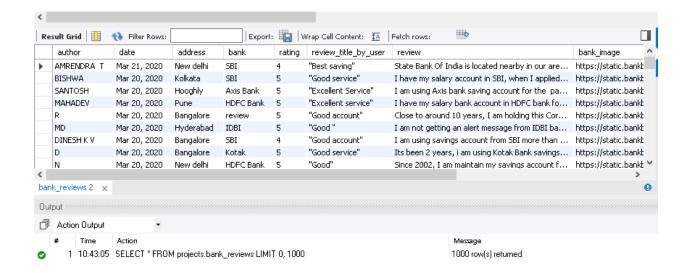
## **BANK REVIEWS**

**1.** Retrieve all reviews with relevant details.

**INPUT:** SELECT \* FROM projects.bank\_reviews;

AMRENDRA T	Mar 21, 2020	New delhi	SBI	4	"Best saving"
BISHWA	Mar 20, 2020	Kolkata	SBI	5	"Good service"
SANTOSH	Mar 20, 2020	Hooghly	Axis Bank	5	"Excellent Service"
MAHADEV	Mar 20, 2020	Pune	HDFC Bank	5	"Excellent service"
R	Mar 20, 2020	Bangalore	review	5	"Good account"
MD	Mar 20, 2020	Hyderabad	IDBI	5	"Good "
DINESH K V	Mar 20, 2020	Bangalore	SBI	4	"Good account"
D	Mar 20, 2020	Bangalore	Kotak	5	"Good service"
N	Mar 20, 2020	New delhi	HDFC Bank	5	"Good"
U	Mar 19, 2020	Bangalore	Axis Bank	5	"Good "

1 • SELECT \* FROM projects.bank\_reviews;

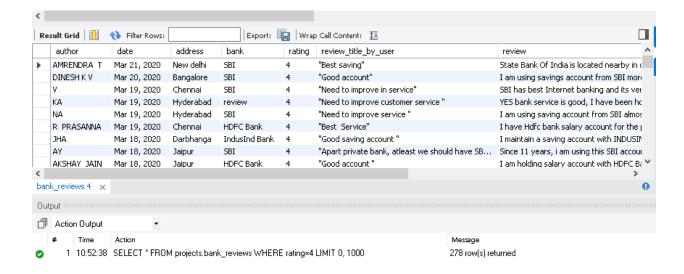


# 2. Find reviews with rating '4'.

**INPUT:** SELECT \* FROM projects.bank\_reviews WHERE rating=4;

AMRENDR A T	Mar 21, 2020	New delhi	SBI	4	"Best saving"
DINESH K V	Mar 20, 2020	Bangalore	SBI	4	"Good account"
V	Mar 19, 2020	Chennai	SBI	4	"Need to improve in service"
KA	Mar 19, 2020	Hyderabad	review	4	"Need to improve customer service "
NA	Mar 19, 2020	Hyderabad	SBI	4	"Need to improve service "
R PRASANNA	Mar 19, 2020	Chennai	HDFC Bank	4	"Best Service"
JHA	Mar 18, 2020	Darbhanga	IndusInd Bank	4	"Good saving account "
AY	Mar 18, 2020	Jaipur	SBI	4	"Apart private bank, atleast we should have SBI account "
AKSHAY JAIN	Mar 18, 2020	Jaipur	HDFC Bank	4	"Good account "
V	Mar 18, 2020	Hyderabad	SBI	4	"Good "

- 2 SELECT \* FROM projects.bank\_reviews
- 3 WHERE rating=4;



#### 3. List reviews for SBI Bank.

**INPUT:** SELECT \* FROM projects.bank\_reviews WHERE bank='SBI';

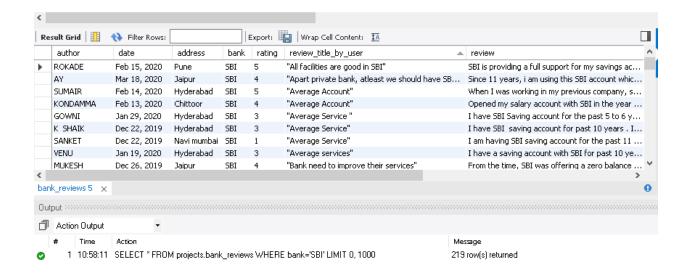
#### **OUTPUT:**

AMRENDRA					
Т	Mar 21, 2020	New delhi	SBI	4	"Best saving"
BISHWA	Mar 20, 2020	Kolkata	SBI	5	"Good service"
DINESH K V	Mar 20, 2020	Bangalore	SBI	4	"Good account"
AK	Mar 19, 2020	Bangalore	SBI	5	"Great"
V	Mar 19, 2020	Chennai	SBI	4	"Need to improve in service"
NA	Mar 19, 2020	Hyderabad	SBI	4	"Need to improve service "
MUN	Mar 19, 2020	Hyderabad	SBI	5	"Need to provide more offers"
AY	Mar 18, 2020	Jaipur	SBI	4	"Apart private bank, atleast we should have SBI account "
ANONYMOUS	Mar 18, 2020	Bangalore	SBI	3	"Need to decrease interest charge"
V	Mar 18, 2020	Hyderabad	SBI	4	"Good "

#### **SCREENSHOT:**

SELECT \* FROM projects.bank\_reviews

WHERE bank='SBI';



4. Find reviews submitted after 31st December 2019.

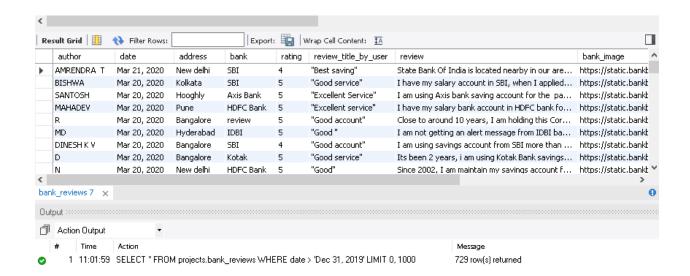
**INPUT:** SELECT \* FROM projects.bank\_reviews WHERE date > 'Dec 31, 2019';

#### **OUTPUT:**

AMRENDRA T	Mar 21, 2020	New delhi	SBI	4	"Best saving"
BISHWA	Mar 20, 2020	Kolkata	SBI	5	"Good service"
SANTOSH	Mar 20, 2020	Hooghly	Axis Bank	5	"Excellent Service"
MAHADEV	Mar 20, 2020	Pune	HDFC Bank	5	"Excellent service"
R	Mar 20, 2020	Bangalore	review	5	"Good account"
MD	Mar 20, 2020	Hyderabad	IDBI	5	"Good "
DINESH K V	Mar 20, 2020	Bangalore	SBI	4	"Good account"
D	Mar 20, 2020	Bangalore	Kotak	5	"Good service"
N	Mar 20, 2020	New delhi	HDFC Bank	5	"Good"
U	Mar 19, 2020	Bangalore	Axis Bank	5	"Good "

#### **SCREENSHOT:**

SELECT \* FROM projects.bank\_reviews
WHERE date > 'Dec 31, 2019';

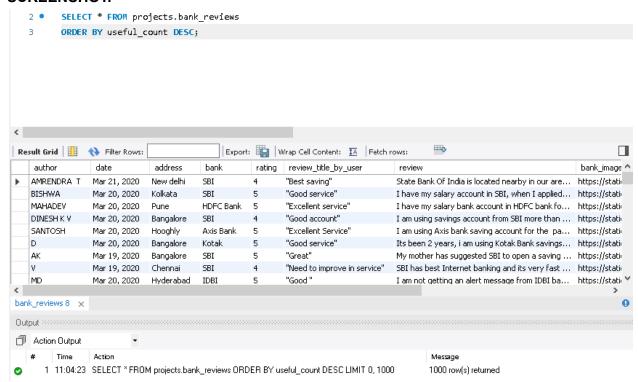


**5.** List reviews with the highest useful count.

**INPUT:** SELECT \* FROM projects.bank\_reviews ORDER BY useful\_count DESC;

## **OUTPUT**:

AMRENDRA T	Mar 21, 2020	New delhi	SBI	133
BISHWA	Mar 20, 2020	Kolkata	SBI	89
MAHADEV	Mar 20, 2020	Pune	HDFC Bank	52
DINESH K V	Mar 20, 2020	Bangalore	SBI	52
SANTOSH	Mar 20, 2020	Hooghly	Axis Bank	48
D	Mar 20, 2020	Bangalore	Kotak	44
AK	Mar 19, 2020	Bangalore	SBI	43
V	Mar 19, 2020	Chennai	SBI	41
MD	Mar 20, 2020	Hyderabad	IDBI	37
N	Mar 20, 2020	New delhi	HDFC Bank	35



# **6.** Calculate the average rating for each bank.

**INPUT:** SELECT bank,AVG(rating) FROM projects.bank\_reviews GROUP BY bank;

SBI	4.3105
Axis Bank	4.4504
HDFC Bank	4.5213
review	4.3474
IDBI	4.4286
Kotak	4.3375
IndusInd Bank	4.25
Canara Bank	4.2857
Citibank	4.7857
Punjab National Bank	4.5714

7

- 4 SELECT bank, AVG(rating) FROM projects.bank\_reviews 5 GROUP BY bank; 6
- Export: 📳 | Wrap Cell Content: 🏗 Result Grid Filter Rows: bank AVG(rating) SBI 4.3105 Axis Bank 4.4504 HDFC Bank 4.5213 review 4.3474 IDBI 4.4286 Kotak 4.3375 IndusInd Bank 4.2500 Canara Bank 4.2857 Citibank 4.7857 Punjab National Bank 4.5714 Result 9 🗶 Action Output Time Action Message 1 11:07:38 SELECT bank,AVG(rating) FROM projects.bank\_reviews GROUP BY bank LIMIT 0, 1000

10 row(s) returned

**7.** Find the top 10 reviews with the highest ratings.

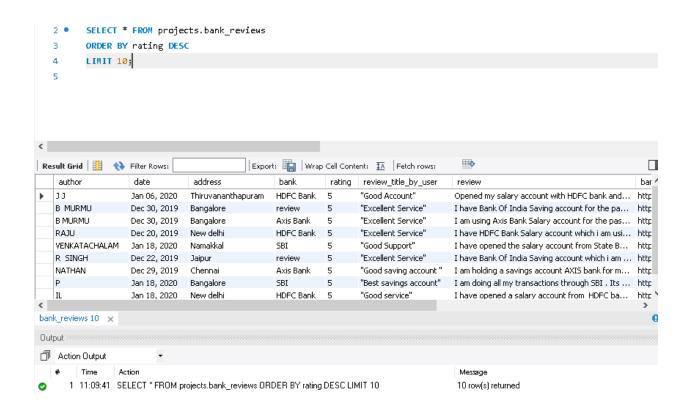
**INPUT:** SELECT \* FROM projects.bank\_reviews

ORDER BY rating DESC

LIMIT 10;

## OUTPUT:

JJ	Jan 06, 2020	Thiruvananthap uram	HDFC Bank	5	"Good Account"
B MURMU	Dec 30, 2019	Bangalore	review	5	"Excellent Service"
B MURMU	Dec 30, 2019	Bangalore	Axis Bank	5	"Excellent Service"
RAJU	Dec 20, 2019	New delhi	HDFC Bank	5	"Excellent Service"
VENKATACHALA M	Jan 18, 2020	Namakkal	SBI	5	"Good Support"
R SINGH	Dec 22, 2019	Jaipur	review	5	"Excellent Service"
NATHAN	Dec 29, 2019	Chennai	Axis Bank	5	"Good saving account
Р	Jan 18, 2020	Bangalore	SBI	5	"Best savings account"
IL	Jan 18, 2020	New delhi	HDFC Bank	5	"Good service"
T KANAPARTHI	Jan 18, 2020	Bangalore	review	5	"Best bank ever"

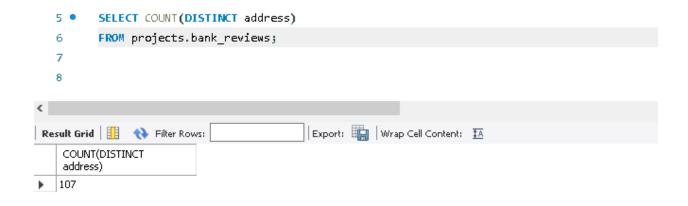


8. How many unique addresses are represented in the dataset?

**INPUT:** SELECT COUNT(DISTINCT address)

FROM projects.bank\_reviews;

**OUTPUT: 107** 

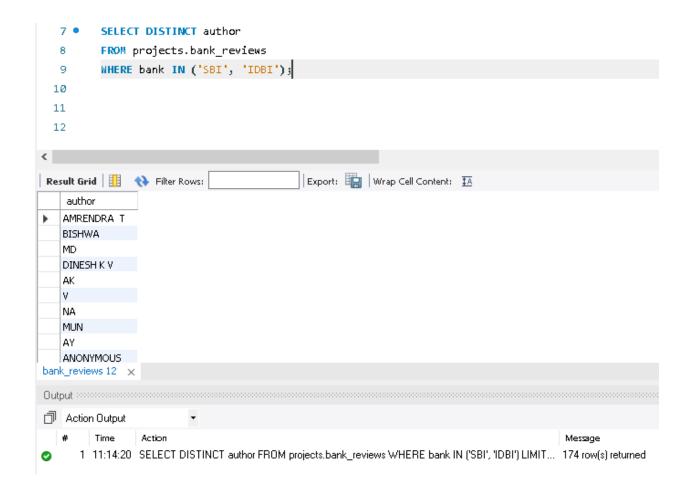




9. Select the names of all the authors who are working in SBI and IDBI bank.

INPUT: SELECT DISTINCT author FROM projects.bank\_reviews WHERE bank IN ('SBI', 'IDBI');

AMRENDRA T				
BISHWA				
MD				
DINESH K V				
AK				
V				
NA				
MUN				
AY				
ANONYMOUS				



**10.** Return all customers from a city that starts with 'K' followed by one wildcard character, then 'lka' and then two wildcard characters.

# **INPUT:** SELECT \* FROM projects.bank\_reviews WHERE address LIKE 'K\_lka\_\_';

#### **OUTPUT:**

BISHWA	Mar 20, 2020	Kolkata	SBI	5	"Good service"
М	Mar 16, 2020	Kolkata	Axis Bank	5	"Good "
М	Mar 16, 2020	Kolkata	review	4	"Good saving account "
SHAILESH P	Mar 15, 2020	Kolkata	HDFC Bank	5	"Best savings account"
S	Mar 14, 2020	Kolkata	Axis Bank	5	"Best service "
SANTANU P	Mar 14, 2020	Kolkata	review	4	"Good"
SPM	Mar 14, 2020	Kolkata	review	5	"Excellent bank "
ANONYMOUS	Mar 03, 2020	Kolkata	review	5	"Good Account"
ANONYMOUS	Mar 03, 2020	Kolkata	Axis Bank	4	"Good Account"
SD	Mar 03, 2020	Kolkata	SBI	5	"Fine Account "

