

BANK REVIEWS

1. Retrieve all reviews with relevant details.

INPUT: SELECT * FROM projects.bank_reviews;

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:

1 • `SELECT * FROM projects.bank_reviews;`

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Fetch rows:

	author	date	address	bank	rating	review_title_by_user	review	bank_image
▶	AMRENDRA T	Mar 21, 2020	New delhi	SBI	4	"Best saving"	State Bank Of India is located nearby in our are...	https://static.bankt
	BISHWA	Mar 20, 2020	Kolkata	SBI	5	"Good service"	I have my salary account in SBI, when I applied...	https://static.bankt
	SANTOSH	Mar 20, 2020	Hooghly	Axis Bank	5	"Excellent Service"	I am using Axis bank saving account for the pa...	https://static.bankt
	MAHADEV	Mar 20, 2020	Pune	HDFC Bank	5	"Excellent service"	I have my salary bank account in HDFC bank fo...	https://static.bankt
	R	Mar 20, 2020	Bangalore	review	5	"Good account"	Close to around 10 years, I am holding this Cor...	https://static.bankt
	MD	Mar 20, 2020	Hyderabad	IDBI	5	"Good "	I am not getting an alert message from IDBI ba...	https://static.bankt
	DINESH K V	Mar 20, 2020	Bangalore	SBI	4	"Good account"	I am using savings account from SBI more than ...	https://static.bankt
	D	Mar 20, 2020	Bangalore	Kotak	5	"Good service"	Its been 2 years, i am using Kotak Bank savings...	https://static.bankt
	N	Mar 20, 2020	New delhi	HDFC Bank	5	"Good"	Since 2002, I am maintain my savings account f...	https://static.bankt

bank_reviews 2 x

Output

Action Output

#	Time	Action	Message
✓ 1	10:43:05	<code>SELECT * FROM projects.bank_reviews LIMIT 0, 1000</code>	1000 row(s) returned

2. Find reviews with rating '4'.

INPUT: SELECT * FROM projects.bank_reviews
WHERE rating=4;

OUTPUT:

AMRENDRA 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 "

SCREENSHOT:

```
2 • SELECT * FROM projects.bank_reviews
3 WHERE rating=4;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	author	date	address	bank	rating	review_title_by_user	review
▶	AMRENDRA T	Mar 21, 2020	New delhi	SBI	4	"Best saving"	State Bank Of India is located nearby in c
	DINESH K V	Mar 20, 2020	Bangalore	SBI	4	"Good account"	I am using savings account from SBI mor
	V	Mar 19, 2020	Chennai	SBI	4	"Need to improve in service"	SBI has best Internet banking and its ver
	KA	Mar 19, 2020	Hyderabad	review	4	"Need to improve customer service "	YES bank service is good, I have been hc
	NA	Mar 19, 2020	Hyderabad	SBI	4	"Need to improve service "	I am using saving account from SBI almo
	R PRASANNA	Mar 19, 2020	Chennai	HDFC Bank	4	"Best Service"	I have Hdfc bank salary account for the j
	JHA	Mar 18, 2020	Darbhanga	IndusInd Bank	4	"Good saving account "	I maintain a saving account with INDUSIP
	AY	Mar 18, 2020	Jaipur	SBI	4	"Apart private bank, atleast we should have SB...	Since 11 years, i am using this SBI accou
	AKSHAY JAIN	Mar 18, 2020	Jaipur	HDFC Bank	4	"Good account "	I am holding salary account with HDFC Ba

bank_reviews 4 x

Output

Action Output

#	Time	Action	Message
✓ 1	10:52:38	SELECT * FROM projects.bank_reviews WHERE rating=4 LIMIT 0, 1000	278 row(s) returned

3. List reviews for SBI Bank.

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

OUTPUT:

AMRENDRA T	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:

```
2 • SELECT * FROM projects.bank_reviews
3 WHERE bank='SBI';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	author	date	address	bank	rating	review_title_by_user	review
▶	ROKADE	Feb 15, 2020	Pune	SBI	5	"All facilities are good in SBI"	SBI is providing a full support for my savings ac...
	AY	Mar 18, 2020	Jaipur	SBI	4	"Apart private bank, atleast we should have SB...	Since 11 years, i am using this SBI account whic...
	SUMAIR	Feb 14, 2020	Hyderabad	SBI	5	"Average Account"	When I was working in my previous company, s...
	KONDAMMA	Feb 13, 2020	Chittoor	SBI	4	"Average Account"	Opened my salary account with SBI in the year ...
	GOWNI	Jan 29, 2020	Hyderabad	SBI	3	"Average Service "	I have SBI Saving account for the past 5 to 6 y...
	K SHAIK	Dec 22, 2019	Hyderabad	SBI	3	"Average Service"	I have SBI saving account for past 10 years . I...
	SANKET	Dec 22, 2019	Navi mumbai	SBI	1	"Average Service"	I am having SBI saving account for the past 11 ...
	VENU	Jan 19, 2020	Hyderabad	SBI	3	"Average services"	I have a saving account with SBI for past 10 ye...
	MUKESH	Dec 26, 2019	Jaipur	SBI	4	"Bank need to improve their services"	From the time, SBI was offering a zero balance ...

bank_reviews 5 x

Output

Action Output

#	Time	Action	Message
✓ 1	10:58:11	SELECT * FROM projects.bank_reviews WHERE bank='SBI' LIMIT 0, 1000	219 row(s) returned

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:

```
2 • SELECT * FROM projects.bank_reviews
3 WHERE date > 'Dec 31, 2019';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	author	date	address	bank	rating	review_title_by_user	review	bank_image
▶	AMRENDRA T	Mar 21, 2020	New delhi	SBI	4	"Best saving"	State Bank Of India is located nearby in our are...	https://static.bankt
	BISHWA	Mar 20, 2020	Kolkata	SBI	5	"Good service"	I have my salary account in SBI, when I applied...	https://static.bankt
	SANTOSH	Mar 20, 2020	Hooghly	Axis Bank	5	"Excellent Service"	I am using Axis bank saving account for the pa...	https://static.bankt
	MAHADEV	Mar 20, 2020	Pune	HDFC Bank	5	"Excellent service"	I have my salary bank account in HDFC bank fo...	https://static.bankt
	R	Mar 20, 2020	Bangalore	review	5	"Good account"	Close to around 10 years, I am holding this Cor...	https://static.bankt
	MD	Mar 20, 2020	Hyderabad	IDBI	5	"Good "	I am not getting an alert message from IDBI ba...	https://static.bankt
	DINESH K V	Mar 20, 2020	Bangalore	SBI	4	"Good account"	I am using savings account from SBI more than ...	https://static.bankt
	D	Mar 20, 2020	Bangalore	Kotak	5	"Good service"	Its been 2 years, i am using Kotak Bank savings...	https://static.bankt
	N	Mar 20, 2020	New delhi	HDFC Bank	5	"Good"	Since 2002, I am maintain my savings account f...	https://static.bankt

bank_reviews 7 x

Output

Action Output

#	Time	Action	Message
1	11:01:59	SELECT * FROM projects.bank_reviews WHERE date > 'Dec 31, 2019' LIMIT 0, 1000	729 row(s) returned

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

SCREENSHOT:

```
2 • SELECT * FROM projects.bank_reviews
3 ORDER BY useful_count DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: |

	author	date	address	bank	rating	review_title_by_user	review	bank_image
▶	AMRENDRA T	Mar 21, 2020	New delhi	SBI	4	"Best saving"	State Bank Of India is located nearby in our are...	https://stati
	BISHWA	Mar 20, 2020	Kolkata	SBI	5	"Good service"	I have my salary account in SBI, when I applied...	https://stati
	MAHADEV	Mar 20, 2020	Pune	HDFC Bank	5	"Excellent service"	I have my salary bank account in HDFC bank fo...	https://stati
	DINESH K V	Mar 20, 2020	Bangalore	SBI	4	"Good account"	I am using savings account from SBI more than ...	https://stati
	SANTOSH	Mar 20, 2020	Hooghly	Axis Bank	5	"Excellent Service"	I am using Axis bank saving account for the pa...	https://stati
	D	Mar 20, 2020	Bangalore	Kotak	5	"Good service"	Its been 2 years, i am using Kotak Bank savings...	https://stati
	AK	Mar 19, 2020	Bangalore	SBI	5	"Great"	My mother has suggested SBI to open a saving ...	https://stati
	V	Mar 19, 2020	Chennai	SBI	4	"Need to improve in service"	SBI has best Internet banking and its very fast ...	https://stati
	MD	Mar 20, 2020	Hyderabad	IDBI	5	"Good "	I am not getting an alert message from IDBI ba...	https://stati

bank_reviews 8 x

Output

Action Output

#	Time	Action	Message
✓ 1	11:04:23	SELECT * FROM projects.bank_reviews ORDER BY useful_count DESC LIMIT 0, 1000	1000 row(s) returned

6. Calculate the average rating for each bank.

INPUT: SELECT bank,AVG(rating)
FROM projects.bank_reviews
GROUP BY bank;

OUTPUT:

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

SCREENSHOT:

```
4 • SELECT bank,AVG(rating)
5 FROM projects.bank_reviews
6 GROUP BY bank;
7
```

Result Grid

Filter Rows:

Export: Wrap Cell Content:

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 x

Output

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:

J J	Jan 06, 2020	Thiruvananthapuram	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"
VENKATACHALAM	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"
P	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"

SCREENSHOT:

```

2 • SELECT * FROM projects.bank_reviews
3 ORDER BY rating DESC
4 LIMIT 10;
5

```

Result Grid							
Filter Rows: <input type="text"/> Export: Wrap Cell Content: Fetch rows:							
	author	date	address	bank	rating	review_title_by_user	review
▶	J J	Jan 06, 2020	Thiruvananthapuram	HDFC Bank	5	"Good Account"	Opened my salary account with HDFC bank and...
	B MURMU	Dec 30, 2019	Bangalore	review	5	"Excellent Service"	I have Bank Of India Saving account for the pa...
	B MURMU	Dec 30, 2019	Bangalore	Axis Bank	5	"Excellent Service"	I am using Axis Bank Salary account for the pas...
	RAJU	Dec 20, 2019	New delhi	HDFC Bank	5	"Excellent Service"	I have HDFC Bank Salary account which i am usi...
	VENKATACHALAM	Jan 18, 2020	Namakkal	SBI	5	"Good Support"	I have opened the salary account from State B...
	R SINGH	Dec 22, 2019	Jaipur	review	5	"Excellent Service"	I have Bank Of India Saving account which i am ...
	NATHAN	Dec 29, 2019	Chennai	Axis Bank	5	"Good saving account "	I am holding a savings account AXIS bank for m...
	P	Jan 18, 2020	Bangalore	SBI	5	"Best savings account"	I am doing all my transactions through SBI . Its ...
	IL	Jan 18, 2020	New delhi	HDFC Bank	5	"Good service"	I have opened a salary account from HDFC ba...

bank_reviews 10 x

Output

Action Output

#	Time	Action	Message
✓ 1	11:09:41	SELECT * FROM projects.bank_reviews ORDER BY rating DESC LIMIT 10	10 row(s) returned

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

INPUT: SELECT COUNT(DISTINCT address)
FROM projects.bank_reviews;

OUTPUT: 107

SCREENSHOT:

```

5 • SELECT COUNT(DISTINCT address)
6 FROM projects.bank_reviews;
7
8

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	COUNT(DISTINCT address)			
▶	107			

Result 11			
Output			
Action Output			
#	Time	Action	Message
✓ 1	11:11:57	SELECT COUNT(DISTINCT address) FROM projects.bank_reviews LIMIT 0, 1000	1 row(s) returned

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');

OUTPUT:

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

SCREENSHOT:

```
7 • SELECT DISTINCT author
8 FROM projects.bank_reviews
9 WHERE bank IN ('SBI', 'IDBI');
10
11
12
```

Result Grid

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

bank_reviews 12 x

Output

Action Output

#	Time	Action	Message
1	11:14:20	SELECT DISTINCT author FROM projects.bank_reviews WHERE bank IN ('SBI', 'IDBI') LIMIT...	174 row(s) returned

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"
M	Mar 16, 2020	Kolkata	Axis Bank	5	"Good "
M	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"
S P M	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"
S D	Mar 03, 2020	Kolkata	SBI	5	"Fine Account "

SCREENSHOT:

```
10 • SELECT * FROM projects.bank_reviews
11 WHERE address LIKE 'K_lka__';
12
13
```

The screenshot shows a database management tool interface. At the top, a query is entered: `SELECT * FROM projects.bank_reviews WHERE address LIKE 'K_lka__';`. Below the query, a "Result Grid" is displayed, showing a table with columns: author, date, address, bank, rating, review_title_by_user, review, and bank_image. The table contains 10 rows of data, including reviews from users like BISHWA, M, SHAILESH P, S, SANTANU P, S P M, ANONYMOUS, and S D. Below the result grid, there is an "Output" section and an "Action Output" section. The "Action Output" section shows a log entry: `1 11:21:50 SELECT * FROM projects.bank_reviews WHERE address LIKE 'K_lka__' LIMIT 0, 1000` with a message: "56 row(s) returned".

author	date	address	bank	rating	review_title_by_user	review	bank_image
BISHWA	Mar 20, 2020	Kolkata	SBI	5	"Good service"	I have my salary account in SBI, when I applied...	https://static.bankba
M	Mar 16, 2020	Kolkata	Axis Bank	5	"Good "	I am maintaining minimum balance of Rs. 250 + ...	https://static.bankba
M	Mar 16, 2020	Kolkata	review	4	"Good saving account "	I am keeping minimum balance of Rs. 1000 for U...	https://static.bankba
SHAILESH P	Mar 15, 2020	Kolkata	HDFC Bank	5	"Best savings account"	Since 12 years, i am using HDFC Bank savings a...	https://static.bankba
S	Mar 14, 2020	Kolkata	Axis Bank	5	"Best service "	My savings account is maintained with AXIS Ban...	https://static.bankba
SANTANU P	Mar 14, 2020	Kolkata	review	4	"Good"	From SYNDICATE Bank, i am using savings acco...	https://static.bankba
S P M	Mar 14, 2020	Kolkata	review	5	"Excellent bank "	Since 40 years, i am using savings account from...	https://static.bankba
ANONYMOUS	Mar 03, 2020	Kolkata	review	5	"Good Account"	Digi bank savings account is really good to use. ...	https://static.bankba
ANONYMOUS	Mar 03, 2020	Kolkata	Axis Bank	4	"Good Account"	There is a lots of consultation of charges so i ha...	https://static.bankba

bank_reviews 14 x

Output

Action Output

#	Time	Action	Message
✓ 1	11:21:50	SELECT * FROM projects.bank_reviews WHERE address LIKE 'K_lka__' LIMIT 0, 1000	56 row(s) returned