Skill-3

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

No object selected

Object Info Session

Query 1

Limit to 1000 rows

```
CREATE TABLE class (
    id INT,
    name VARCHAR(30)
);

CREATE TABLE class_info (
    id INT,
    address VARCHAR(30)
);
INSERT INTO class VALUES
(1,'abhi'),
(2,'adam'),
(4,'alex');

INSERT INTO class_info VALUES
(1,'DELHI'),
(2,'MUMBAI'),
(3,'CHENNAI');
```

Output

Action Output

#	Time	Action	Message
1	20:03:48	CREATE DATABASE bookflow_s3	1 row(s) affected
2	20:04:30	USE bookflow_s3	0 row(s) affected
3	20:04:53	CREATE TABLE class (id INT, name VARCHA...	0 row(s) affected
4	20:04:56	CREATE TABLE class_info (id INT, address V...	0 row(s) affected
5	20:05:10	INSERT INTO class VALUES (1,'abhi'), (2,'adam'), (4...	3 row(s) affected Record
6	20:05:12	INSERT INTO class_info VALUES (1,'DELHI'), (2,'M...	3 row(s) affected Record

Query 1

```
(2,'MUMBAI'),
(3,'CHENNAI');

SELECT *
FROM class
CROSS JOIN class_info;
```

id	name	id	address
4	alex	1	DELHI
2	adam	1	DELHI
1	abhi	1	DELHI
4	alex	2	MUMBAI
2	adam	2	MUMBAI
1	abhi	2	MUMBAI
4	alex	3	CHENNAI
2	adam	3	CHENNAI
1	abhi	3	CHENNAI

Query 1

```
CROSS JOIN class_info;

SELECT *
FROM class
INNER JOIN class_info
ON class.id = class_info.id;
```

id	name	id	address
1	abhi	1	DELHI
2	adam	2	MUMBAI

MySQL Workbench

Skill-3

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Query 1

Limit to 1000 rows

```
30
31  SELECT class.name,
32         class_info.address
33  FROM class
34  INNER JOIN class_info
35  ON class.id = class_info.id;
36
37
```

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

name	address
abhi	DELHI
adam	MUMBAI

MySQL Workbench

Skill-3

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Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
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- **bookflow_s3**
- sys

Query 1

Limit to 1000 rows

```
32         class_info.address
33  FROM class
34  INNER JOIN class_info
35  ON class.id = class_info.id;
36
37  SELECT *
38  FROM class
39  NATURAL JOIN class_info;
40
```

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

id	name	address
1	abhi	DELHI
2	adam	MUMBAI

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

No object selected

Object Info Session

Create a new function in the active schema in the connected server

Limit to 1000 rows

```
39    NATURAL JOIN class_info;
40
41    INSERT INTO class VALUES
42    (5,'ashish');
43    INSERT INTO class_info VALUES
44    (7,'NOIDA'),
45    (8,'PANIPAT');
46    SELECT *
47    FROM class
48    LEFT OUTER JOIN class_info
49    ON class.id=class_info.id;
```

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

id	name	id	address
1	abhi	1	DELHI
2	adam	2	MUMBAI
4	alex	NULL	NULL
5	ashish	NULL	NULL

Result Grid

Form Editor

Result 5 ×

Read Only

Output

Action Output

#	Time	Action	Message
9	20:11:53	SELECT * FROM class INNER JOIN class_info O...	2 row(s) returned
10	20:13:12	SELECT class.name, class_info.address FRO...	2 row(s) returned
11	20:14:45	SELECT * FROM class NATURAL JOIN class_inf...	2 row(s) returned
12	20:17:14	INSERT INTO class VALUES (5,'ashish')	1 row(s) affected
13	20:17:22	INSERT INTO class_info VALUES (7,'NOIDA'), (8...	2 row(s) affected Records: 2 Du
14	20:17:33	SELECT * FROM class LEFT OUTER JOIN class...	4 row(s) returned

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

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- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Query 1

```
(8,'PANIPAT');
SELECT *
FROM class
LEFT OUTER JOIN class_info
ON class.id=class_info.id;

SELECT *
FROM class
LEFT JOIN class_info
ON class.id=class_info.id
WHERE class_info.id IS NULL;
```

Result Grid Filter Rows: Export:

id	name	id	address
4	alex	NULL	NULL
5	ashish	NULL	NULL

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
50
51 •  SELECT *
52    FROM class
53    LEFT JOIN class_info
54    ON class.id=class_info.id
55    WHERE class_info.id IS NULL;
56
57 •  SELECT *
58    FROM class
59    RIGHT OUTER JOIN class_info
60    ON class.id=class_info.id;
```

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

id	name	id	address
1	abhi	1	DELHI
2	adam	2	MUMBAI
NULL	NULL	3	CHENNAI
NULL	NULL	7	NOIDA
NULL	NULL	8	PANIPAT

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
56
57 •  SELECT *
58    FROM class
59    RIGHT OUTER JOIN class_info
60    ON class.id=class_info.id;
61
62 •  SELECT *
63    FROM class
64    RIGHT JOIN class_info
65    ON class.id=class_info.id
66    WHERE class.id IS NULL;
```

Result Grid Filter Rows: Export: Wrap C

id	name	id	address
NULL	NULL	3	CHENNAI
NULL	NULL	7	NOIDA
NULL	NULL	8	PANIPAT

Result 8

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
WHERE class.id IS NULL;

SELECT *
FROM class
LEFT JOIN class_info
ON class.id = class_info.id

UNION

SELECT *
FROM class
RIGHT JOIN class_info
ON class.id = class_info.id;
```

Result Grid | Filter Rows: | Export: | Wrap

id	name	id	address
1	abhi	1	DELHI
2	adam	2	MUMBAI
4	alex	NULL	NULL
5	ashish	NULL	NULL
NULL	NULL	3	CHENNAI
NULL	NULL	7	NOIDA
NULL	NULL	8	PANIPAT

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```
SELECT *
FROM class
LEFT JOIN class_info
ON class.id = class_info.id
WHERE class_info.id IS NULL

UNION

SELECT *
FROM class
RIGHT JOIN class_info
ON class.id = class_info.id
WHERE class.id IS NULL;
```

Result Grid Filter Rows: Export: Wrap C

id	name	id	address
4	alex	NULL	NULL
5	ashish	NULL	NULL
NULL	NULL	3	CHENNAI
NULL	NULL	7	NOIDA
NULL	NULL	8	PANIPAT

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```sql
ON class.id = class_info.id
WHERE class.id IS NULL;

CREATE TABLE first_table(
    id INT,
    name VARCHAR(30)
);

CREATE TABLE second_table(
    id INT,
    name VARCHAR(30)
);

INSERT INTO first_table VALUES
(1,'abhi'),
(2,'adam');

INSERT INTO second_table VALUES
(2,'adam'),
(3,'chester');
```

Output

Action Output

#	Time	Action	Message
20	20:23:47	SELECT * FROM class LEFT JOIN class_info ON...	5 row(s) returned
21	20:24:39	CREATE TABLE first_table(id INT, name VA...	0 row(s) affected
22	20:24:43	CREATE TABLE second_table(id INT, nam...	0 row(s) affected
23	20:24:54	INSERT INTO first_table VALUES (1,'abhi'), (2,'ad...	2 row(s) affected Records: 2 Duplica
24	20:24:57	INSERT INTO second_table VALUES (2,'adam'), ...	2 row(s) affected Records: 2 Duplica

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

Query 1

```
INSERT INTO first_table VALUES
(1,'abhi'),
(2,'adam');

INSERT INTO second_table VALUES
(2,'adam'),
(3,'chester');

SELECT * FROM first_table
UNION
SELECT * FROM second_table;
```

Result Grid Filter Rows: Export

id	name
1	abhi
2	adam
3	chester

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

Query 1

```
INSERT INTO second_table VALUES
(2,'adam'),
(3,'chester');

SELECT * FROM first_table
UNION
SELECT * FROM second_table;

SELECT name FROM first_table
UNION
SELECT name FROM second_table;
```

Result Grid Filter Rows: Export:

name
abhi
adam
chester

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

Query 1

```
112 •  SELECT * FROM first_table
113    UNION
114    SELECT * FROM second_table;
115
116 •  SELECT name FROM first_table
117    UNION
118    SELECT name FROM second_table;
119
120 •  SELECT * FROM first_table
121    UNION ALL
122    SELECT * FROM second_table;
```

Result Grid Filter Rows: Export:

id	name
1	abhi
2	adam
2	adam
3	chester

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Query 1

Limit to 1000 rows

```
120 •  SELECT * FROM first_table
121    UNION ALL
122    SELECT * FROM second_table;
123
124 •  SELECT COUNT(*)
125    FROM
126    (
127        SELECT * FROM first_table
128        UNION ALL
129        SELECT * FROM second_table
130    ) A;
```

Result Grid | Filter Rows: | Export: | Wrap

	COUNT(*)
▶	4

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

Query 1

```
126 (
127     SELECT * FROM first_table
128     UNION ALL
129     SELECT * FROM second_table
130 ) A;
131
132 SELECT f.*
133 FROM first_table f
134 INNER JOIN second_table s
135 ON f.id = s.id
136 AND f.name = s.name;
```

Result Grid Filter Rows:

id	name
2	adam

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

Query 1

```
SELECT f.*
FROM first_table f
INNER JOIN second_table s
ON f.id = s.id
AND f.name = s.name;

SELECT f.name
FROM first_table f
INNER JOIN second_table s
ON f.name = s.name;
```

Result Grid Filter Rows:

name
adam

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Query 1

```
138 •  SELECT f.name
139    FROM first_table f
140    INNER JOIN second_table s
141    ON f.name = s.name;
142
143 •  SELECT f.*
144    FROM first_table f
145    LEFT JOIN second_table s
146    ON f.id = s.id
147    AND f.name = s.name
148    WHERE s.id IS NULL;
```

Result Grid Filter Rows:

id	name
1	abhi

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

Query 1

```
FROM first_table f
LEFT JOIN second_table s
ON f.id = s.id
AND f.name = s.name
WHERE s.id IS NULL;

SELECT f.name
FROM first_table f
LEFT JOIN second_table s
ON f.name = s.name
WHERE s.name IS NULL;
```

Result Grid Filter Rows:

name
abhi

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bookflow_2
- bookflow_db
- bookflow_s1
- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Query 1

```
149
150 •   SELECT f.name
151     FROM first_table f
152     LEFT JOIN second_table s
153     ON f.name = s.name
154     WHERE s.name IS NULL;
155
156 •   SELECT c.id, c.name, ci.address
157     FROM class c
158     INNER JOIN class_info ci
159     ON c.id = ci.id;
```

Result Grid Filter Rows:

id	name	address
1	abhi	DELHI
2	adam	MUMBAI

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Navigator

SCHEMAS

Filter objects

- bookflow_2
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- bookflow_s2
- **bookflow_s3**
- sys

Administration Schemas

Information

Query 1

Limit to 1000 rows

```
SELECT c.id,
       c.name,
       CASE
           WHEN ci.address IS NULL
           THEN 'Address Missing'
           ELSE 'Address Available'
       END AS Status
FROM class c
LEFT JOIN class_info ci
ON c.id = ci.id;
```

Result Grid | Filter Rows: | Export: | Wrap

id	name	Status
1	abhi	Address Available
2	adam	Address Available
4	alex	Address Missing
5	ashish	Address Missing