

← → ⌂ i localhost/phpmyadmin/index.php?route=/database/structure&server=1&db=banking+enterprise

# phpMyAdmin

Server: 127.0.0.1 » Database: banking enterprise

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers

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New

banking enterprise

- New
- bankaccount
- bankcustomer
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- depositor
- loan

information\_schema

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test

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
bankaccount	<input type="checkbox"/> Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	32.0 KiB	-
bankcustomer	<input type="checkbox"/> Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
borrower	<input type="checkbox"/> Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
branch	<input type="checkbox"/> Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
depositor	<input type="checkbox"/> Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	32.0 KiB	-
loan	<input type="checkbox"/> Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	32.0 KiB	-

6 tables Sum 30 InnoDB utf8mb4\_general\_ci 144.0 KiB 0 B

Check all With selected:

Print Data dictionary

Create table

Name  Number of columns: 4

Go

Console

localhost/phpmyadmin/index.php?route=/sql&db=banking+enterprise&table=bankaccount&pos=0

# phpMyAdmin

Recent Favorites

Server: 127.0.0.1 » Database: banking enterprise » Table: bankaccount

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.0064 seconds.)

SELECT \* FROM `bankaccount`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	accno	branchname	balance
<input type="checkbox"/>	2	UBI_Chamarajpet	25000
<input type="checkbox"/>	4	UBI_MgRoad	10000
<input type="checkbox"/>	6	UBI_ParimentRoad	15000
<input type="checkbox"/>	8	UBI_ResidencyRoad	20000
<input type="checkbox"/>	10	UBI_ShivajiRoad	5000

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

New banking enterprise New bankaccount bankcustomer borrower branch depositer loan information\_schema insurance insurance lab\_prog mysql performance\_schema phpmyadmin test



Server: 127.0.0.1 » Database: banking enterprise » Table: bankcustomer

- Browse
- Structure
- SQL
- Search
- Insert
- Export
- Import
- Privileges
- Operations
- Tracking
- Triggers

Showing rows 0 - 4 (5 total, Query took 0.0026 seconds.)

```
SELECT * FROM `bankcustomer`
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

			customername	customerstreet	customercity
<input type="checkbox"/>				ashwini	bannergatta_road
<input type="checkbox"/>				deepak	cg_road
<input type="checkbox"/>				neha	chruch_street
<input type="checkbox"/>				prithvi	mg_road
<input type="checkbox"/>				suraj	national_road

Check all With selected:

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations



Console mark this SQL query

localhost/phpmyadmin/index.php?route=/sql&server=1&db=banking+enterprise&table=loan&pos=0

phpMyAdmin

Server: 127.0.0.1 » Database: banking enterprise » Table: loan

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.0030 seconds.)

SELECT \* FROM `loan`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	loannumber	branchname	amount
<input type="checkbox"/>	1	UBI_ResidencyRoad	3000
<input type="checkbox"/>	2	UBI_Chamarajpet	1000
<input type="checkbox"/>	3	UBI_ShivajiRoad	4000
<input type="checkbox"/>	4	UBI_MgRoad	5000
<input type="checkbox"/>	5	UBI_ParliamentRoad	2000

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Console mark this SQL query

New banking enterprise New bankaccount bankcustomer borrower branch depositor loan information\_schema insurance insurance lab\_prog mysql performance\_schema phpmyadmin test

localhost/phpmyadmin/index.php?route=/sql&server=1&db=banking+enterprise&table=depositor&pos=0

phpMyAdmin

Server: 127.0.0.1 > Database: banking enterprise > Table: depositer

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Recent Favorites

New banking enterprise New bankaccount New bankcustomer New borrower New branch New depositer New loan

+ information\_schema insurance insurance lab\_prog mysql performance\_schema phpmyadmin test

Showing rows 0 - 4 (5 total, Query took 0.0024 seconds.)

SELECT \* FROM `depositor`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows Search this table Sort by key: None

+ Options

			customername	accno
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	ashwini	2
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	deepak	4
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	neha	6
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	prithvi	8
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	suraj	10

Check all With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Show all Number of rows: 25 Filter rows Search this table Sort by key: None

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Console mark this SQL query

← → C i localhost/phpmyadmin/index.php?route=/sql&db=banking+enterprise&table=borrower&pos=0

phpMyAdmin

Recent Favorites

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Views

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Server: 127.0.0.1 » Database: banking enterprise » Table: borrower

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 4 (5 total, Query took 0.0024 seconds.)

SELECT \* FROM `borrower`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options

customername	accno
praphi	1
tasha	3
tanishq	5
kunal	7
tarun	9

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Console

localhost/phpmyadmin/index.php?route=/sql&server=1&db=banking+enterprise&table=branch&pos=0

# phpMyAdmin

Server: 127.0.0.1 > Database: banking enterprise > Table: branch

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.0024 seconds.)

SELECT \* FROM `branch`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	branchname	branchcity	assets
<input type="checkbox"/>	UBI_Chamarajpet	Bangalore	40000
<input type="checkbox"/>	UBI_MgRoad	Bangalore	25000
<input type="checkbox"/>	UBI_ParliamentRoad	delhi	30000
<input type="checkbox"/>	UBI_ResidencyRoad	Bangalore	10000
<input type="checkbox"/>	UBI_ShivajiRoad	Bombay	20000

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

	branchname	branchcity	assets
<input type="checkbox"/>	UBI_Chamarajpet	Bangalore	40000
<input type="checkbox"/>	UBI_MgRoad	Bangalore	25000
<input type="checkbox"/>	UBI_ParliamentRoad	delhi	30000
<input type="checkbox"/>	UBI_ResidencyRoad	Bangalore	10000
<input type="checkbox"/>	UBI_ShivajiRoad	Bombay	20000

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information\_schema

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Containing the word:

Filters

Table	Action	Rows	Type	Collation	Size	Overhead
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borrower		5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
branch		5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
branchtotalloan		~0			---	-
depositor		5	InnoDB	utf8mb4_general_ci	32.0 KiB	-
loan		5	InnoDB	utf8mb4_general_ci	32.0 KiB	-
7 tables	Sum	~30	InnoDB	utf8mb4_general_ci	144.0 KiB	0 B

Check all

Name  Number of columns:

Console

```
CREATE TABLE branch
( branchname VARCHAR(15),
  branchcity VARCHAR(15),
  assets NUMBER(10,2),
  PRIMARY KEY(branchname)
);

CREATE TABLE account
( accno INTEGER(8),
  branchname VARCHAR(15),
  balance NUMBER(10,2),
  PRIMARY KEY(accno),
  FOREIGN KEY(branchname) REFERENCES branch(branchname)ON DELETE CASCADE
);

CREATE TABLE customer
( customername VARCHAR(15),
  customerstreet VARCHAR(15),
  customercity VARCHAR(15),
  PRIMARY KEY(customername)
);

CREATE TABLE loan
( loannumber INTEGER(8),
  branchname VARCHAR(15),
  amount NUMBER(10,2),
  PRIMARY KEY(loannumber),
  FOREIGN KEY(branchname) REFERENCES branch(branchname)
);

CREATE TABLE depositor
( customername VARCHAR(15),
  accno INTEGER,
  PRIMARY KEY(customername, accno),
  FOREIGN KEY(customername) REFERENCES customer(customername),
  FOREIGN KEY(accno) REFERENCES account(accno)
```

File Edit Format View Help

```
);  
  
CREATE TABLE loan  
( loannumber INTEGER(8),  
    branchname VARCHAR(15),  
    amount NUMBER(10,2),  
    PRIMARY KEY(loannumber),  
    FOREIGN KEY(branchname) REFERENCES branch(branchname)  
);  
  
CREATE TABLE depositor  
( customername VARCHAR(15),  
    accno INTEGER,  
    PRIMARY KEY(customername, accno),  
    FOREIGN KEY(customername) REFERENCES customer(customername),  
    FOREIGN KEY(accno) REFERENCES account(accno)  
);  
  
CREATE TABLE borrower  
( customer_name VARCHAR(15),  
    loan_number INTEGER(8),  
    PRIMARY KEY(customername, loannumber),  
    FOREIGN KEY(customername) REFERENCES customer(customername),  
    FOREIGN KEY(loannumber) REFERENCES loan(loannumber)  
);
```

);

```
INSERT INTO branch VALUES('UBI_CHARAJPET_ROAD', 'BANGALORE',40000);
INSERT INTO branch VALUES('UBI_MG_ROAD', 'BANGALORE',25000);
INSERT INTO branch VALUES('UBI_SHIVAJI_ROAD', 'BOMBAY',20000);
INSERT INTO branch VALUES('UBI_PARLIMENT_ROAD', 'DELHI',30000);
INSERT INTO branch VALUES('UBI_RESCIDENCY_ROAD', 'BANGALORE',10000);

INSERT INTO loan VALUES(1,'UBI_RESCIDENCY_ROAD',3000);
INSERT INTO loan VALUES(2,'UBI_CHARAJPET_ROAD',1000);
INSERT INTO loan VALUES(3,'UBI_SHIVAJI_ROAD',4000);
INSERT INTO loan VALUES(4,'UBI_MG_ROAD',5000);
INSERT INTO loan VALUES(5,'UBI_PARLIMENT_ROAD',2000);

INSERT INTO depositer VALUES(2,'ashwini');
INSERT INTO depositer VALUES(4,'deepak');
INSERT INTO depositer VALUES(6,'neha');
INSERT INTO depositer VALUES(8,'prithvi');
INSERT INTO depositer VALUES(10,'suraj');
```

```
INSERT INTO depositer VALUES(2,'ashwini');
```

```
INSERT INTO depositer VALUES(4,'deepak');
```

```
INSERT INTO depositer VALUES(6,'neha');
```

```
INSERT INTO depositer VALUES(8,'prithvi');
```

```
INSERT INTO depositer VALUES(10,'suraj');
```

```
INSERT INTO borrower VALUES(1,'prapthi');
```

```
INSERT INTO borrower VALUES(3,'tasha');
```

```
INSERT INTO borrower VALUES(5,'tanishq');
```

```
INSERT INTO borrower VALUES(7,'kunal');
```

```
INSERT INTO borrower VALUES(9,'tarun');
```

ADDITIONAL QUERIES EXECUTED:

1. LIST THE ENTIRE LOAN RELATION IN THE DESCENDING ORDER OF AMOUNT.

```
SELECT * FROM LOAN ORDER BY AMOUNT DESC;
```

2. FIND ALL CUSTOMERS HAVING A LAON, AN ACCOUNT OR BOTH AT THE BANK

```
(SELECT CUSTOMERNAME FROM DEPOSITOR ) UNION (SELECT CUSTOMERNAME FROM BORROWER);
```

3. CREATE A VIEW WHICH GIVES EACH BRANCH THE SUM OF THE AMOUNT OF ALL THE LOANS AT THE BRANCH.

```
CREATE VIEW BRANCHTOTALLOAN (BRANCHNAME, TOTALLOAN) AS SELECT BRANCHNAME, SUM(AMOUNT) FROM LOAN GROUP BY BRANCHNAME;
```

4. THE ANNUAL INTEREST PAYMENTS ARE MADE AND ALL BRANCHES ARE TO BE INCREASED BY 5%.

```
UPDATE ACCOUNT SET BALANCE=BALANCE *2.05;
```

5. LIST THE ENTIRE LOAN RELATION IN THE ASCENDING ORDER OF AMOUNT.

```
SELECT * FROM LOAN ORDER BY AMOUNT ASCE;
```