

Database Testing

Bug Resistance Table:

The screenshot shows the phpMyAdmin interface for the 'batch_10' database, specifically the 'bugresistance' table. The table contains 5 rows of data. The interface includes a sidebar with a tree view of databases and tables, a top navigation bar with various tools, and a main content area with a query editor and a table view.

Server: 127.0.0.1 » Database: batch_10 » Table: bugresistance

Showing rows 0 - 4 (5 total, Query took 0.0002 seconds.)

```
SELECT * FROM bugresistance;
```

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

| | StudentName | StudentID | City | | | |
|--------------------------|-------------|-----------|----------|---------|-----|-------------|
| <input type="checkbox"/> | ✎ Edit | 📄 Copy | 🗑 Delete | Avishek | 251 | Jessore |
| <input type="checkbox"/> | ✎ Edit | 📄 Copy | 🗑 Delete | Jaya | 250 | Narayanganj |
| <input type="checkbox"/> | ✎ Edit | 📄 Copy | 🗑 Delete | Jui | 252 | Narayanganj |
| <input type="checkbox"/> | ✎ Edit | 📄 Copy | 🗑 Delete | Nahid | 249 | Noakhali |
| <input type="checkbox"/> | ✎ Edit | 📄 Copy | 🗑 Delete | Sohan | 248 | Laxmipur |

University Table:

The screenshot shows the phpMyAdmin interface for the 'batch_10' database, specifically the 'university' table. The table contains 2 rows of data. The interface includes a sidebar with a tree view of databases and tables, a top navigation bar with various tools, and a main content area with a query editor and a table view.

Server: 127.0.0.1 » Database: batch_10 » Table: university

Showing rows 0 - 1 (2 total, Query took 0.0002 seconds.)

```
SELECT * FROM university;
```

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

| | StudentID | StudentName | | | |
|--------------------------|-----------|-------------|----------|-----|---------|
| <input type="checkbox"/> | ✎ Edit | 📄 Copy | 🗑 Delete | 456 | Avishek |
| <input type="checkbox"/> | ✎ Edit | 📄 Copy | 🗑 Delete | 123 | Jui |

Inner Join:

The screenshot shows the phpMyAdmin interface with the 'university' table selected. The query executed is an Inner Join between 'bugresistance' and 'university' tables based on 'StudentName'. The result shows 2 rows.

Showing rows 0 - 1 (2 total, Query took 0.0002 seconds.)

```
SELECT bugresistance.StudentID, bugresistance.City, university.StudentName FROM bugresistance INNER JOIN university ON bugresistance.StudentName=university.StudentName;
```

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

| StudentID | City | StudentName |
|-----------|-------------|-------------|
| 251 | Jessore | Avishek |
| 252 | Narayanganj | Jui |

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

Left Join:

The screenshot shows the phpMyAdmin interface with the 'university' table selected. The query executed is a Left Join between 'bugresistance' and 'university' tables based on 'StudentName'. The result shows 5 rows, including rows from 'bugresistance' that do not have a matching entry in 'university'.

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

```
SELECT bugresistance.StudentID, bugresistance.City, university.StudentName FROM bugresistance LEFT JOIN university ON bugresistance.StudentName=university.StudentName;
```

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

| StudentID | City | StudentName |
|-----------|-------------|-------------|
| 251 | Jessore | Avishek |
| 250 | Narayanganj | NULL |
| 252 | Narayanganj | Jui |
| 249 | Noakhali | NULL |
| 248 | Laxmipur | NULL |

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

Right Join:

The screenshot shows the phpMyAdmin interface with the 'university' table selected. The SQL query executed is a Right Join: `SELECT bugresistance.StudentID, bugresistance.City, university.StudentName FROM bugresistance RIGHT JOIN university ON bugresistance.StudentName=university.StudentName;`. The results show two rows: (251, Jessore, Avishek) and (252, Narayanganj, Jui).

Showing rows 0 - 1 (2 total, Query took 0.0003 seconds.)

```
SELECT bugresistance.StudentID, bugresistance.City, university.StudentName FROM bugresistance RIGHT JOIN university ON bugresistance.StudentName=university.StudentName;
```

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

| StudentID | City | StudentName |
|-----------|-------------|-------------|
| 251 | Jessore | Avishek |
| 252 | Narayanganj | Jui |

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

Full Outer Join:

The screenshot shows the phpMyAdmin interface with the 'bugresistance' table selected. The SQL query executed is a Full Outer Join: `SELECT * FROM bugresistance LEFT JOIN university ON bugresistance.StudentName=university.StudentName UNION SELECT * FROM bugresistance RIGHT JOIN university ON bugresistance.StudentName=university.StudentName;`. The results show five rows, combining the data from both tables.

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

```
SELECT * FROM bugresistance LEFT JOIN university ON bugresistance.StudentName=university.StudentName UNION SELECT * FROM bugresistance RIGHT JOIN university ON bugresistance.StudentName=university.StudentName;
```

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

| StudentName | StudentID | City | StudentID | StudentName |
|-------------|-----------|-------------|-----------|-------------|
| Avishek | 251 | Jessore | 456 | Avishek |
| Jaya | 250 | Narayanganj | NULL | NULL |
| Jui | 252 | Narayanganj | 123 | Jui |
| Nahid | 249 | Noakhali | NULL | NULL |
| Sohan | 248 | Laxmipur | NULL | NULL |

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

Console