

# Database Assignment

## BugResistance Table:

Create Table **Bugresistance** (

StudentID int PRIMARY KEY,

StudentName varchar(100),

City varchar(100)

);

Insert into **Bugresistance** (StudentID, StudentName, City) values

(111, 'Elisa', 'USA'), (112, 'Leo', 'CANADA'), (113, 'Alvert', 'JAPAN'),

(114, 'Alex', 'KOREA'), (115, 'Fahira', 'FREELAND'), (116, 'Joshy', 'PARIS'),

(117, 'Alexa', 'NEPAL'), (118, 'Gabby', 'MALTA'), (119, 'Siddharth', 'GERMANY'),

(120, 'Antony', 'CHINA');

## Create table picture:

The screenshot shows the phpMyAdmin interface. The left sidebar displays the database structure, including 'databasebugresistanceassignment' and 'bugresistance'. The main panel shows the 'Table: bugresistance' structure with columns 'StudentID', 'StudentName', and 'City'. Below the structure, the table data is displayed as a table with 10 rows. Each row includes a checkbox, 'Edit', 'Copy', and 'Delete' icons, followed by the 'StudentID', 'StudentName', and 'City' values.

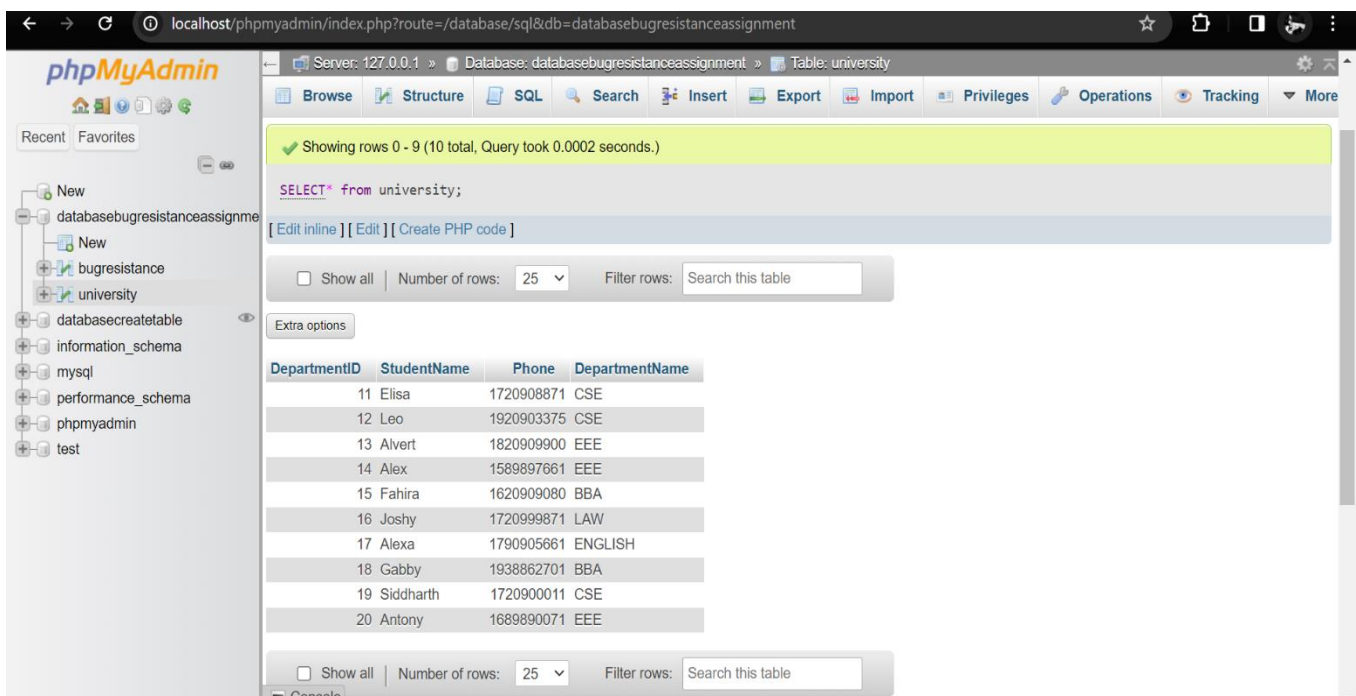
	StudentID	StudentName	City
<input type="checkbox"/>	111	Elisa	USA
<input type="checkbox"/>	112	Leo	CANADA
<input type="checkbox"/>	113	Alvert	JAPAN
<input type="checkbox"/>	114	Alex	KOREA
<input type="checkbox"/>	115	Fahira	FREELAND
<input type="checkbox"/>	116	Joshy	PARIS
<input type="checkbox"/>	117	Alexa	NEPAL
<input type="checkbox"/>	118	Gabby	MALTA
<input type="checkbox"/>	119	Siddharth	GERMANY
<input type="checkbox"/>	120	Antony	CHINA

## University Table:

```
CREATE TABLE University (  
  
    DepartmentID int,  
  
    StudentName varchar(100),  
  
    Phone int,  
  
    DepartmentName varchar(100)  
  
);
```

Insert into **University** (DepartmentID, StudentName, Phone, DepartmentName) values  
(0011, 'Elisa', 01720908871, 'CSE'), (0012, 'Leo', 01920903375, 'CSE'),  
(0013, 'Alvert', 01820909900, 'EEE'), (0014, 'Alex', 01589897661, 'EEE'),  
(0015, 'Fahira', 01620909080, 'BBA'), (0016, 'Joshya', 01720999871, 'LAW'),  
(0017, 'Alexa', 01790905661, 'ENGLISH'), (0018, 'Gabby', 01938862701, 'BBA'),  
(0019, 'Siddharth', 01720900011, 'CSE'), (0020, 'Antony', 01689890071, 'EEE');

## Create table picture:



The screenshot shows the phpMyAdmin interface for a database named 'databasebugresistanceassignment'. The 'university' table is selected, and its structure and data are displayed. The table has four columns: DepartmentID, StudentName, Phone, and DepartmentName. The data is as follows:

DepartmentID	StudentName	Phone	DepartmentName
11	Elisa	1720908871	CSE
12	Leo	1920903375	CSE
13	Alvert	1820909900	EEE
14	Alex	1589897661	EEE
15	Fahira	1620909080	BBA
16	Joshya	1720999871	LAW
17	Alexa	1790905661	ENGLISH
18	Gabby	1938862701	BBA
19	Siddharth	1720900011	CSE
20	Antony	1689890071	EEE

## INNER JOIN:

```
SELECT Bugresistance.StudentID, University.StudentName, Bugresistance.City  
FROM Bugresistance  
INNER JOIN University ON Bugresistance.StudentName=University.StudentName;
```

## INNER JOIN picture:

The screenshot shows the phpMyAdmin interface. The left sidebar displays the database structure with 'databasebugresistanceassignment' selected, containing tables 'bugresistance' and 'university'. The main panel shows the SQL query: `SELECT Bugresistance.StudentID, University.StudentName, Bugresistance.City FROM Bugresistance INNER JOIN University ON Bugresistance.StudentName=University.StudentName;`. The query executed successfully, showing 10 rows. The results table has columns StudentID, StudentName, and City.

StudentID	StudentName	City
111	Elisa	USA
112	Leo	CANADA
113	Alvert	JAPAN
114	Alex	KOREA
115	Fahira	FREELAND
116	Joshy	PARIS
117	Alexa	NEPAL
118	Gabby	MALTA
119	Siddharth	GERMANY
120	Antony	CHINA

## LEFT JOIN:

```
SELECT Bugresistance.StudentID, University.StudentName, Bugresistance.City  
FROM Bugresistance  
LEFT JOIN University ON Bugresistance.StudentName=University.StudentName;
```

## LEFT JOIN picture:

The screenshot shows the phpMyAdmin interface with the following details:

- Server:** 127.0.0.1
- Database:** databasebugresistanceassignment
- Query:** `SELECT Bugresistance.StudentID, University.StudentName, Bugresistance.City FROM Bugresistance LEFT JOIN University ON Bugresistance.StudentName=University.StudentName;`
- Results:** Showing rows 0 - 9 (10 total, Query took 0.0008 seconds.)
- Table:** A table with 3 columns: StudentID, StudentName, and City. It contains 10 rows of data.

StudentID	StudentName	City
111	Elisa	USA
112	Leo	CANADA
113	Alvert	JAPAN
114	Alex	KOREA
115	Fahira	FREELAND
116	Josh	PARIS
117	Alexa	NEPAL
118	Gabby	MALTA
119	Siddharth	GERMANY
120	Antony	CHINA

## RIGHT JOIN:

```
SELECT Bugresistance.StudentID, University.StudentName, Bugresistance.City  
FROM Bugresistance  
RIGHT JOIN University ON Bugresistance.StudentName=University.StudentName;
```

## RIGHT JOIN picture:

The screenshot shows the phpMyAdmin interface with the following components:

- Left Sidebar:** A tree view showing the database structure. The 'bugresistance' table is selected under the 'databasebugresistanceassignment' database.
- Top Navigation Bar:** Includes tabs for Structure, SQL, Search, Query, Export, Import, Operations, Privileges, Routines, Events, and More. The 'Query' tab is active.
- Message Bar:** A yellow bar indicating 'Showing rows 0 - 9 (10 total, Query took 0.0005 seconds.)'.
- Query Editor:** Contains the SQL query: `SELECT Bugresistance.StudentID, University.StudentName, Bugresistance.City FROM Bugresistance RIGHT JOIN University ON Bugresistance.StudentName=University.StudentName;`
- Query Execution Controls:** Includes a 'Show all' checkbox, 'Number of rows' set to 25, a 'Filter rows' search box, and a 'Sort by key' dropdown set to 'None'.
- Table View:** A table with 3 columns: StudentID, StudentName, and City. It displays 10 rows of data.

StudentID	StudentName	City
111	Elisa	USA
112	Leo	CANADA
113	Alvert	JAPAN
114	Alex	KOREA
115	Fahira	FREELAND
116	Josh	PARIS
117	Alexa	NEPAL
118	Gabby	MALTA
119	Siddharth	GERMANY
120	Antonov	CHINA

## FULL OUTER JOIN:

```
SELECT Bugresistance.StudentID, University.StudentName, Bugresistance.City  
FROM Bugresistance  
FULL OUTER JOIN University ON Bugresistance.StudentName=University.StudentName;
```

## FULL OUTER JOIN picture:

The screenshot shows the phpMyAdmin interface with the following details:

- Server:** 127.0.0.1
- Database:** databasebugresistanceassignment
- Query:** `SELECT Bugresistance.StudentID, University.StudentName, Bugresistance.City FROM Bugresistance LEFT JOIN University ON Bugresistance.StudentName=University.StudentName;`
- Results:** Showing rows 0 - 9 (10 total, Query took 0.0008 seconds.)
- Table:** A table with 3 columns: StudentID, StudentName, and City. It contains 10 rows of data.

StudentID	StudentName	City
111	Elisa	USA
112	Leo	CANADA
113	Alvert	JAPAN
114	Alex	KOREA
115	Fahira	FREELAND
116	Josh	PARIS
117	Alexa	NEPAL
118	Gabby	MALTA
119	Siddharth	GERMANY
120	Antony	CHINA