


Database Testing Assignment

By: Mir Siam

1. Creating a Database.
2. Creating two tables Bugresistance and University
3. Inserting data in those tables.
















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

```
SELECT * FROM studentinformation;
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 Filter rows:

Extra options

				StudentID	Name	City
<input type="checkbox"/>	 Edit	 Copy	 Delete	101	Mir Siam	Dhaka
<input type="checkbox"/>	 Edit	 Copy	 Delete	102	Sami	Borishal
<input type="checkbox"/>	 Edit	 Copy	 Delete	103	Alex	Sylhet
<input type="checkbox"/>	 Edit	 Copy	 Delete	104	Jack	Rajshahi
<input type="checkbox"/>	 Edit	 Copy	 Delete	105	Moon	Dhaka

✓ Showing rows 0 - 4 (5 total, Query took 0.0004 seconds.)

```
SELECT * FROM university;
```

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☐ Show all | Number of rows: 25 ▼ Filter rows

Extra options

Name	UniversityName
Mir Siam	Daffodil International University
Jack	Khulna University
Merry	Rangpur University
Alex	Dhaka University
Moon	BUET

4. INNER JOIN :

```
SELECT bug_resistance.StudentID, University.Name, bug_resistance.City
FROM bug_resistance
INNER JOIN University ON bug_resistance.Name=University.Name;
```

✓ Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

```
SELECT bug_resistance.StudentID, University.Name, bug_resistance.City FROM bug_resistance INNER JOIN University ON bug_resistance.Name=University.Name;
```

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

Extra options

StudentID	Name	City
101	Mir Siam	Dhaka
104	Jack	Rajshahi
103	Alex	Sylhet
105	Moon	Dhaka

5. LEFT JOIN :

```
SELECT bug_resistance.StudentID, University.Name, bug_resistance.City
FROM bug_resistance
```

LEFT JOIN University ON bug_resistance.Name=University.Name;

✓ Showing rows 0 - 4 (5 total, Query took 0.0004 seconds.)

```
SELECT bug_resistance.StudentID, University.Name, bug_resistance.City FROM bug_resistance LEFT JOIN University ON bug_resistance.Name=University.Name;
```

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

Extra options

StudentID	Name	City
101	Mir Siam	Dhaka
104	Jack	Rajshahi
103	Alex	Sylhet
105	Moon	Dhaka
102	NULL	Borishal

6. RIGHT JOIN :

SELECT bug_resistance.StudentID, University.Name, bug_resistance.City

FROM bug_resistance

RIGHT JOIN University ON bug_resistance.Name=University.Name;

✓ Showing rows 0 - 4 (5 total, Query took 0.0004 seconds.)

```
SELECT bug_resistance.StudentID, University.Name, bug_resistance.City FROM bug_resistance RIGHT JOIN University ON bug_resistance.Name=University.Name;
```

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

Extra options

StudentID	Name	City
101	Mir Siam	Dhaka
103	Alex	Sylhet
104	Jack	Rajshahi
105	Moon	Dhaka
NULL	Merry	NULL

7. FULL OUTER JOIN :

SELECT bug_resistance.StudentID, University.Name, bug_resistance.City

FROM bug_resistance

FULL OUTER JOIN University ON bug_resistance.Name=University.Name;

Error

SQL query: [Copy](#)

```
SELECT bug_resistance.StudentID, University.Name, bug_resistance.City
FROM bug_resistance
FULL OUTER JOIN University ON bug_resistance.Name=University.Name LIMIT 0, 25
```

MySQL said:

#1064 - You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'OUTER JOIN University ON bug_resistance.Name=University.Name LIMIT 0, 25' at line 3

Full outer join can't be directly implemented.

That's why the alternative process is –

```
SELECT bug_resistance.StudentID, University.Name, bug_resistance.City FROM
bug_resistance
```

```
LEFT JOIN University ON bug_resistance.Name = University.Name UNION ALL SELECT
bug_resistance.StudentID, University.Name, bug_resistance.City FROM bug_resistance
RIGHT JOIN University ON bug_resistance.Name = University.Name WHERE
bug_resistance.Name IS NULL;
```

✓ Showing rows 0 - 5 (6 total, Query took 0.0869 seconds.)

```
SELECT bug_resistance.StudentID, University.Name, bug_resistance.City FROM bug_resistance LEFT JOIN University ON
bug_resistance.Name = University.Name UNION ALL SELECT bug_resistance.StudentID, University.Name, bug_resistance.City FROM
bug_resistance RIGHT JOIN University ON bug_resistance.Name = University.Name WHERE bug_resistance.Name IS NULL;
```

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☐ Show all | Number of rows: 25 | Filter rows:

Extra options

StudentID	Name	City
101	Mir Siam	Dhaka
104	Jack	Rajshahi
103	Alex	Sylhet
105	Moon	Dhaka
	NULL	Borishal

Activate Windows
Go to Settings to activate Windows.