























**Database Assignment**  
**Name: Tamanna Jahan Jerin**  
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**Create The University Table:**

```
CREATE TABLE University (  
  StudentName VARCHAR(255) PRIMARY KEY,  
  UniversityName VARCHAR(255),  
  Department VARCHAR(255)  
);
```

**Insert The University Table:**

	StudentName	UniversityName	Department
<input type="checkbox"/>  Edit  Copy  Delete	Aushi	University of Tokyo	Electrical Engineering
<input type="checkbox"/>  Edit  Copy  Delete	Faria	North South University	Pharmacy
<input type="checkbox"/>  Edit  Copy  Delete	Prema	MIST	Computer Science
<input type="checkbox"/>  Edit  Copy  Delete	Shreyash	Dhaka University	Computer Science
<input type="checkbox"/>  Edit  Copy  Delete	Sifat	East West University	Mathematics
<input type="checkbox"/>  Edit  Copy  Delete	Tamanna	Brac University	Computer Science
<input type="checkbox"/>  Edit  Copy  Delete	Wania	United International University	Physics

**Create BugResistance Table:**






















```
CREATE TABLE BugResistance (  
  StudentID INT PRIMARY KEY,  
  StudentName VARCHAR(150),  
  City VARCHAR(150),  
  ContactNo VARCHAR(13),  
  Email VARCHAR(50),  
  FOREIGN KEY (StudentName) REFERENCES University(StudentName)  
);
```

**Insert Into BugResistance Table:**

```
INSERT INTO Bugresistance (StudentID, StudentName, City, ContactNo, Email) VALUES
```

(001, 'Aushi', 'Tokyo', '001-000-100', 'aushi001@example.com'),  
 (002, 'Faria', 'Dhaka', '523-002-489', 'faria@gmail.com'),  
 (003, 'Prema', 'Dhaka', '345-678-9012', 'prema0@example.com'),  
 (004, 'Shreyash', 'Dhaka', '456-789-0123', 'diana.prince@example.com'),  
 (005, 'Sifat', 'Gulshan', '567-890-1234', ''),  
 (006, 'Tamanna', 'Uttara', '678-901-2345', 'fiona.glenanne@example.com'),  
 (007, 'Wania', 'Mirpur', '890-123-4567', '');

### **Table:**

← T →				StudentID	StudentName	City	ContactNo	Email
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Aushi	Tokyo	001-000-100	aushi001@example.com
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	Faria	Dhaka	523-002-489	faria@gmail.com
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	Prema	Dhaka	345-678-9012	prema0@example.com
<input type="checkbox"/>	 Edit	 Copy	 Delete	4	Shreyash	Dhaka	456-789-0123	diana.prince@example.com
<input type="checkbox"/>	 Edit	 Copy	 Delete	5	Sifat	Gulshan	567-890-1234	
<input type="checkbox"/>	 Edit	 Copy	 Delete	6	Tamanna	Uttara	678-901-2345	fiona.glenanne@example.com
<input type="checkbox"/>	 Edit	 Copy	 Delete	7	Wania	Mirpur	890-123-4567	

### **INNER JOIN:**

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

Table:

StudentID	StudentName	City
1	Aushi	Tokyo
2	Faria	Dhaka
3	Prema	Dhaka
4	Shreyash	Dhaka
5	Sifat	Gulshan
6	Tamanna	Uttara
7	Wania	Mirpur

#### LEFT JOIN:

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

Table:

StudentID	StudentName	City
1	Aushi	Tokyo
2	Faria	Dhaka
3	Prema	Dhaka
4	Shreyash	Dhaka
5	Sifat	Gulshan
6	Tamanna	Uttara
7	Wania	Mirpur

### **RIGHT JOIN:**

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

### **Table:**

StudentID	StudentName	City
1	Aushi	Tokyo
2	Faria	Dhaka
3	Prema	Dhaka
4	Shreyash	Dhaka
5	Sifat	Gulshan
6	Tamanna	Uttara
7	Wania	Mirpur

### **FULL OUTER JOIN:**

```
SELECT BugResistance.StudentID, University.StudentName, BugResistance.City
FROM BugResistance LEFT JOIN University
ON BugResistance.StudentName = University.StudentName
UNION
SELECT BugResistance.StudentID, University.StudentName, BugResistance.City
FROM BugResistance RIGHT JOIN University
ON BugResistance.StudentName = University.StudentName;
```

**Table:**

StudentID	StudentName	City
1	Aushi	Tokyo
2	Faria	Dhaka
3	Prema	Dhaka
4	Shreyash	Dhaka
5	Sifat	Gulshan
6	Tamanna	Uttara
7	Wania	Mirpur