

Bug Resistance Table:

```
CREATE TABLE bugresistance (  
    StudentID int,  
    StudentName varchar(255) ,  
    City varchar(255)  
);
```

```
INSERT INTO bugresistance (StudentID, StudentName, City) VALUES  
(1, 'Mahmudur Rahman', 'Sylhet'),  
(2, 'Rudra Sen', 'Dahaka'),  
(3, 'Shariar Rahi', 'Chittagong'),  
(4, 'Mehrab Aslam', 'Rjshahi'),  
(5, 'Mahfuz Rumel', 'London'),  
(6, 'Sazzad Asif', 'Australia'),  
(7, 'Oyon', 'Sylhet'),  
(8, 'Azhar', 'Canada'),  
(9, 'Sani', 'America'),  
(10, 'Rasel', 'Germany');
```

University Table :

```
CREATE TABLE university (  
    StudentID int,  
    StudentName varchar(255) ,  
    CourseName varchar(255)  
)
```

```
INSERT INTO university (StudentID,StudentName,DeptName)
```

```
VALUES
```

```
(21,'Anik', 'EEE'),
```

```
(22,'Azhar', 'MATH'),
```

```
(23,'Mahfuz Rumel', 'CSE'),
```

```
(24,'Mahmud', 'BBA'),
```

```
(25,'Mahmudur Rahman', 'CSE'),
```

```
(26,'Opi', 'SWE'),
```

```
(27,'Rasel', 'IPE'),
```

```
(28,'Sani', 'CSE'),
```

```
(28,'Sazzad Asif', 'CSE'),
```

```
(30,'Shariar Rahi', 'EEE');
```

INNER JOIN:

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

StudentID	StudentName	City
8	Azhar	Canada
5	Mahfuz Rumel	London
1	Mahmudur Rahman	Sylhet
10	Rasel	Germany
9	Sani	America
6	Sazzad Asif	Australia
3	Shariar Rahi	Chittagong

LEFT JOIN

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

StudentID	StudentName	City
8	Azhar	Canada
5	Mahfuz Rumel	London
1	Mahmudur Rahman	Sylhet
10	Rasel	Germany
9	Sani	America
6	Sazzad Asif	Australia
3	Shariar Rahi	Chittagong
2	NULL	Dahaka
4	NULL	Rjshahi
7	NULL	Sylhet

RIGHT JOIN

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

StudentID	StudentName	City
1	Mahmudur Rahman	Sylhet
3	Shariar Rahi	Chittagong
5	Mahfuz Rumel	London
6	Sazzad Asif	Australia
8	Azhar	Canada
9	Sani	America
10	Rasel	Germany
NULL	Anik	NULL
NULL	,Mahmud	NULL
NULL	Opi	NULL

FULL OUTER JOIN

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

UNION

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

StudentID	StudentName	City
8	Azhar	Canada
5	Mahfuz Rumel	London
1	Mahmudur Rahman	Sylhet
10	Rasel	Germany
9	Sani	America
6	Sazzad Asif	Australia
3	Shariar Rahi	Chittagong
2	NULL	Dahaka
4	NULL	Rjshahi
7	NULL	Sylhet
NULL	Anik	NULL
NULL	,Mahmud	NULL
NULL	Opi	NULL