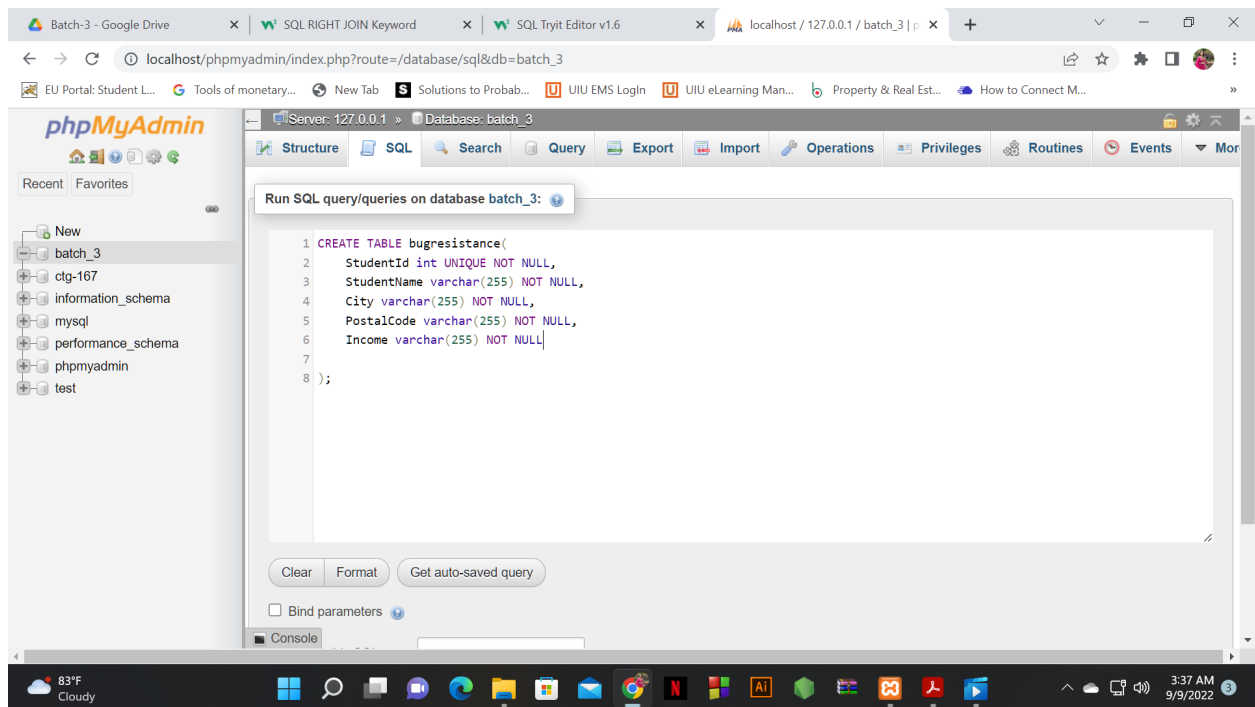
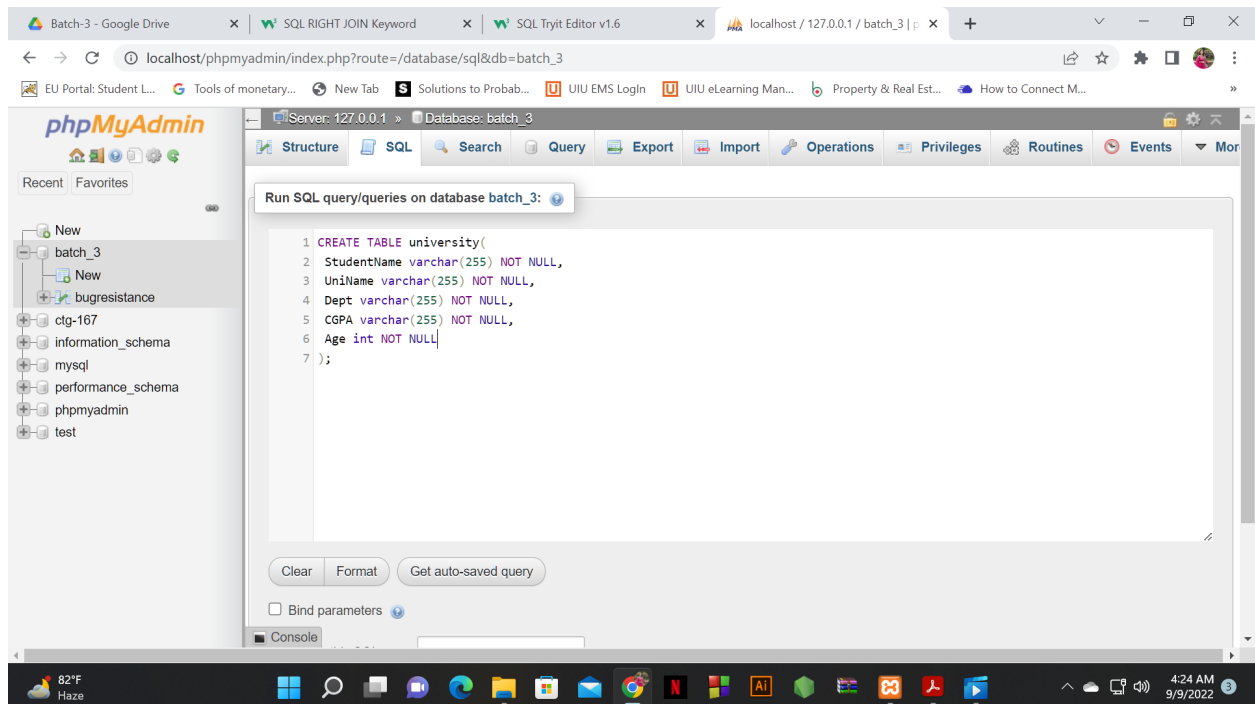


# CREATE TABLE: BUGRESISTANCE TABLE



# UNIVERSITY TABLE



# INSERT VALUES:

## INSERTING VALUES IN BUGRESISTANCE TABLE

The screenshot shows the phpMyAdmin interface for a database named 'batch\_3'. The 'bugresistance' table is selected. The SQL query editor contains the following query:

```
1 INSERT INTO bugresistance(StudentId,StudentName,City,PostalCode,Income)
2 VALUES(101,'Nadia','Dhaka','1211','20000'),
3 (102,'Myisha','Thakurgaon','1201','10000'),
4 (103,'Safwan','Feni','1000','30000'),
5 (104,'Dola','Khulna','1202','15000'),
6 (105,'Adnan','Jessore','1104','25000'),
7 (106,'Nusrat','Rajshahi','1102','40000'),
8 (107,'Niamul','Dhaka','1206','30000'),
9 (108,'Shayed','Naogaon','1001','20000'),
10 (109,'Wasive','Munshigonj','1202','35000'),
11 (110,'Asif','Rangpur','1004','28000');
```

The interface includes a sidebar with a database structure tree, a top navigation bar with various tools, and a bottom status bar showing system information.

## INSERTING VALUES IN THE UNIVERSITY TABLE

The screenshot shows the phpMyAdmin interface for a database named 'batch\_3'. The 'university' table is selected. The SQL query editor contains the following query:

```
1 INSERT INTO university(StudentName,UniName,Dept,CGPA,Age)
2 VALUES('Nazifa','IUB','EEE','3.50',26),
3 ('Myisha','UIU','CSE','3.98',25),
4 ('Towsin','BUP','LLB','4.00',25),
5 ('Taeen','BRAC','Economics','3.60',24),
6 ('Safwan','AUST','CSE','4.00',27),
7 ('Dola','NSU','BBA','3.40',24),
8 ('Adnan','AIUB','Finance','3.20',26),
9 ('Niamul','BUET','Architecture','3.65',27),
10 ('Shayed','ULAB','Journalism','3.30',26),
11 ('Wasive','DU','Mathematics','3.89',25);
```

The interface includes a sidebar with a database structure tree, a top navigation bar with various tools, and a bottom status bar showing system information.

# BUGRESISTANCE TABLE:

The screenshot shows the phpMyAdmin interface with the 'bugresistance' table selected. The table contains 10 rows of student data. The interface includes a sidebar with a database tree, a top navigation bar with various tools, and a main content area with table controls and data.

StudentId	StudentName	City	PostalCode	Income
101	Nadia	Dhaka	1211	20000
102	Myisha	Thakurgaon	1201	10000
103	Safwan	Feni	1000	30000
104	Dola	Khulna	1202	15000
105	Adnan	Jessore	1104	25000
106	Nusrat	Rajshahi	1102	40000
107	Niamul	Dhaka	1206	30000
108	Shayed	Naogaon	1001	20000
109	Wasive	Munshigonj	1202	35000
110	Asif	Rangpur	1004	28000

# UNIVERSITY TABLE:

The screenshot shows the phpMyAdmin interface with the 'university' table selected. The table contains 10 rows of student data. The interface includes a sidebar with a database tree, a top navigation bar with various tools, and a main content area with table controls and data.

StudentName	UniName	Dept	CGPA	Age
Nazifa	IUB	EEE	3.50	26
Myisha	UIU	CSE	3.98	25
Towsir	BUP	LLB	4.00	25
Taen	BRAC	Economics	3.60	24
Safwan	AUST	CSE	4.00	27
Dola	NSU	BBA	3.40	24
Adnan	AIUB	Finance	3.20	26
Niamul	BUET	Architecture	3.65	27
Shayed	ULAB	Journalism	3.30	26
Wasive	DU	Mathematics	3.89	25

# ORDER BY CITY IN DESCENDING ORDER:

The screenshot shows the phpMyAdmin interface with the SQL editor open. The query entered is: `1 SELECT * FROM bugresistance ORDER BY City DESC;`. The table structure on the right lists the columns: StudentId, StudentName, City, PostalCode, and Income. The left sidebar shows the database structure with 'batch\_3' selected and 'bugresistance' highlighted.

Run SQL query/queries on table batch\_3.bugresistance:

```
1 SELECT * FROM bugresistance ORDER BY City DESC;
```

Columns: StudentId, StudentName, City, PostalCode, Income

Buttons: SELECT \*, SELECT, INSERT, UPDATE, DELETE, Clear, Format, Get auto-saved query

Bind parameters: ☐

The screenshot shows the results of the SQL query in the phpMyAdmin interface. The results are displayed in a table with columns: StudentId, StudentName, City, PostalCode, and Income. The data is sorted by City in descending order. The table shows 10 rows of data. The left sidebar shows the database structure with 'batch\_3' selected and 'bugresistance' highlighted.

SELECT \* FROM bugresistance ORDER BY City DESC

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

	StudentId	StudentName	City	PostalCode	Income
<input type="checkbox"/>	102	Myisha	Thakurgaon	1201	10000
<input type="checkbox"/>	110	Asif	Rangpur	1004	28000
<input type="checkbox"/>	106	Nusrat	Rajshahi	1102	40000
<input type="checkbox"/>	108	Shayed	Naogaon	1001	20000
<input type="checkbox"/>	109	Wasive	Munshigonj	1202	35000
<input type="checkbox"/>	104	Dola	Khulna	1202	15000
<input type="checkbox"/>	105	Adnan	Jessore	1104	25000
<input type="checkbox"/>	103	Safwan	Feni	1000	30000
<input type="checkbox"/>	101	Nadia	Dhaka	1211	20000
<input type="checkbox"/>	107	Niamul	Dhaka	1206	30000

Buttons: Edit, Copy, Delete, Export

# MAX INCOME INFORMATION:

The screenshot shows the phpMyAdmin interface with the 'bugresistance' table selected. The query executed is: `SELECT * FROM bugresistance WHERE Income=(SELECT MAX(Income) FROM bugresistance)`. The result shows one row with the following data:

StudentId	StudentName	City	PostalCode	Income
106	Nusrat	Rajshahi	1102	40000

# INNER JOIN:

The screenshot shows the phpMyAdmin interface with an INNER JOIN query executed. The query is: `SELECT bugresistance.StudentID, university.StudentName, bugresistance.City FROM bugresistance INNER JOIN university ON bugresistance.StudentName=university.StudentName`. The result shows 7 rows of data:

StudentID	StudentName	City
102	Myisha	Thakurgaon
103	Safwan	Feni
104	Dola	Khulna
105	Adnan	Jessore
107	Niamul	Dhaka
108	Shayed	Naogaon
109	Wasive	Munshigonj

# LEFT JOIN:

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

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

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

+ Options

StudentID	StudentName	City
102	Myisha	Thakurgaon
103	Safwan	Feni
104	Dola	Khulna
105	Adnan	Jessore
107	Niamul	Dhaka
108	Shayed	Naogaon
109	Wasive	Munshigonj
101	NULL	Dhaka
106	NULL	Rajshahi
110	NULL	Rangpur

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

# RIGHT JOIN:

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

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

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

+ Options

StudentID	StudentName	City
102	Myisha	Thakurgaon
103	Safwan	Feni
104	Dola	Khulna
105	Adnan	Jessore
107	Niamul	Dhaka
108	Shayed	Naogaon
109	Wasive	Munshigonj
NULL	Nazifa	NULL
NULL	Towsir	NULL
NULL	Taen	NULL

# FULL JOIN USING UNION:

The screenshot shows the phpMyAdmin interface with the SQL tab selected. The query editor contains the following SQL code:

```
1 SELECT bugresistance.StudentId, university.StudentName, bugresistance.City
2 FROM bugresistance
3 LEFT JOIN university ON bugresistance.StudentName=university.StudentName
4 UNION
5 SELECT bugresistance.StudentId, university.StudentName, bugresistance.City
6 FROM bugresistance
7 RIGHT JOIN university ON bugresistance.StudentName=university.StudentName;
```

The interface also shows a sidebar with a database tree and a bottom taskbar with various application icons.

The screenshot shows the phpMyAdmin interface displaying the results of the SQL query. The results are shown in a table with the following columns: StudentId, StudentName, and City. The table contains 14 rows of data, including NULL values for some entries.

StudentId	StudentName	City
102	Myisha	Thakurgaon
103	Safwan	Feni
104	Dola	Khulna
105	Adnan	Jessore
107	Niamul	Dhaka
108	Shayed	Naogaon
109	Wasive	Munshigonj
101	NULL	Dhaka
106	NULL	Rajshahi
110	NULL	Rangpur
NULL	Nazifa	NULL
NULL	Towsir	NULL
NULL	Taeen	NULL

```
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
```

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

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

+ Options

StudentId	StudentName	City
102	Myisha	Thakurgaon
103	Safwan	Feni
104	Dola	Khulna
105	Adnan	Jessore
107	Niamul	Dhaka
108	Shayed	Naogaon
109	Wasive	Munshigonj
101	NULL	Dhaka
106	NULL	Rajshahi
110	NULL	Rangpur
NULL	Nazifa	NULL
NULL	Towsir	NULL
<input type="checkbox"/> Console	Taen	NULL