Lab No: 01

1. Create a DB named “BUBT\_DB1”.

Query:

[create](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-database.html) [database](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-database.html) BUBT\_DB1;

2. Create three tables in this DB named “Student”, “Faculty”, “Course”.

Query:

CREATE table student(Name varchar(30),ST\_ID int(2),NID int(3),Intake int(2),Section int(2),CGPA float(3.2));

INSERT INTO student VALUES('Ashraful','1','102','44','1','3.30');

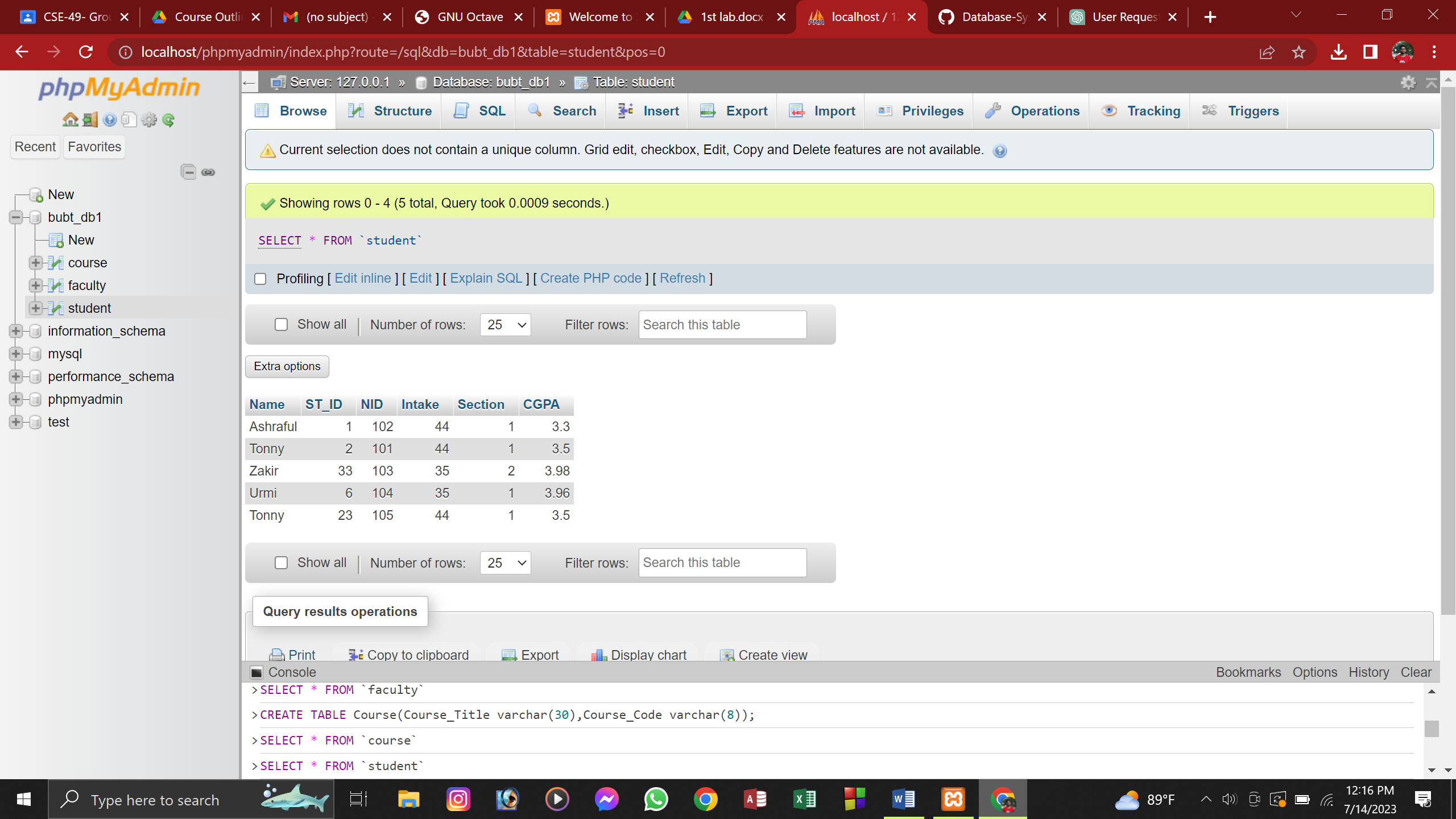
INSERT INTO student VALUES('Tonny', '2', '101', '44', '1', '3.50');

INSERT INTO student VALUES('Zakir', '33', '103', '35', '2', '3.98');

INSERT INTO student VALUES('Urmi', '6', '104', '35', '1', '3.96');

INSERT INTO student VALUES('Tonny', '23', '105', '44', '1', '3.50');

Output:



CREATE TABLE Faculty(Name varchar(30),Short\_Code varchar(7),Course\_Code varchar(8),Conduct\_Semester varchar(15));

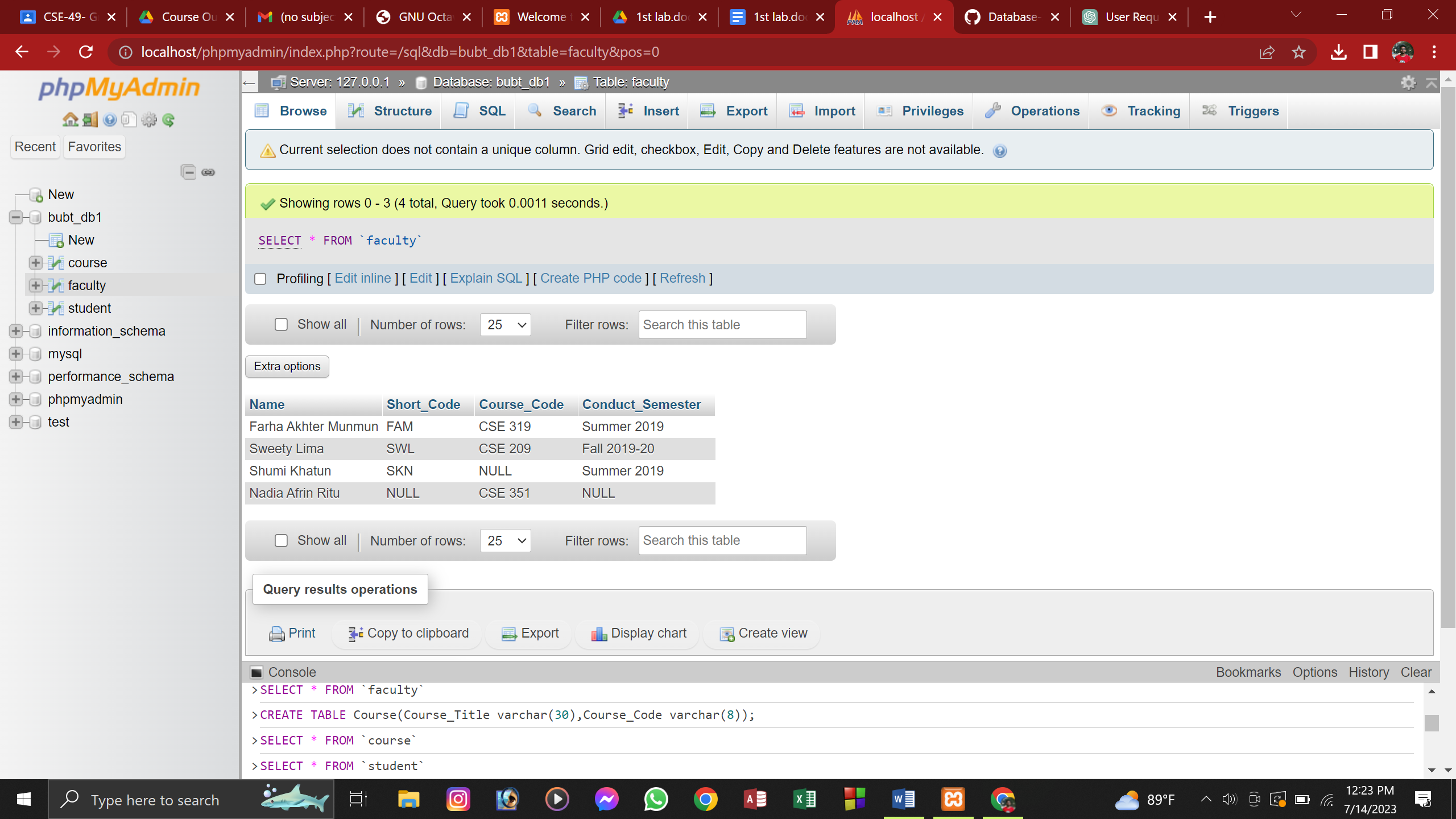
INSERT INTO faculty VALUES('Farha Akhter Munmun','FAM','CSE 319','Summer 2019');

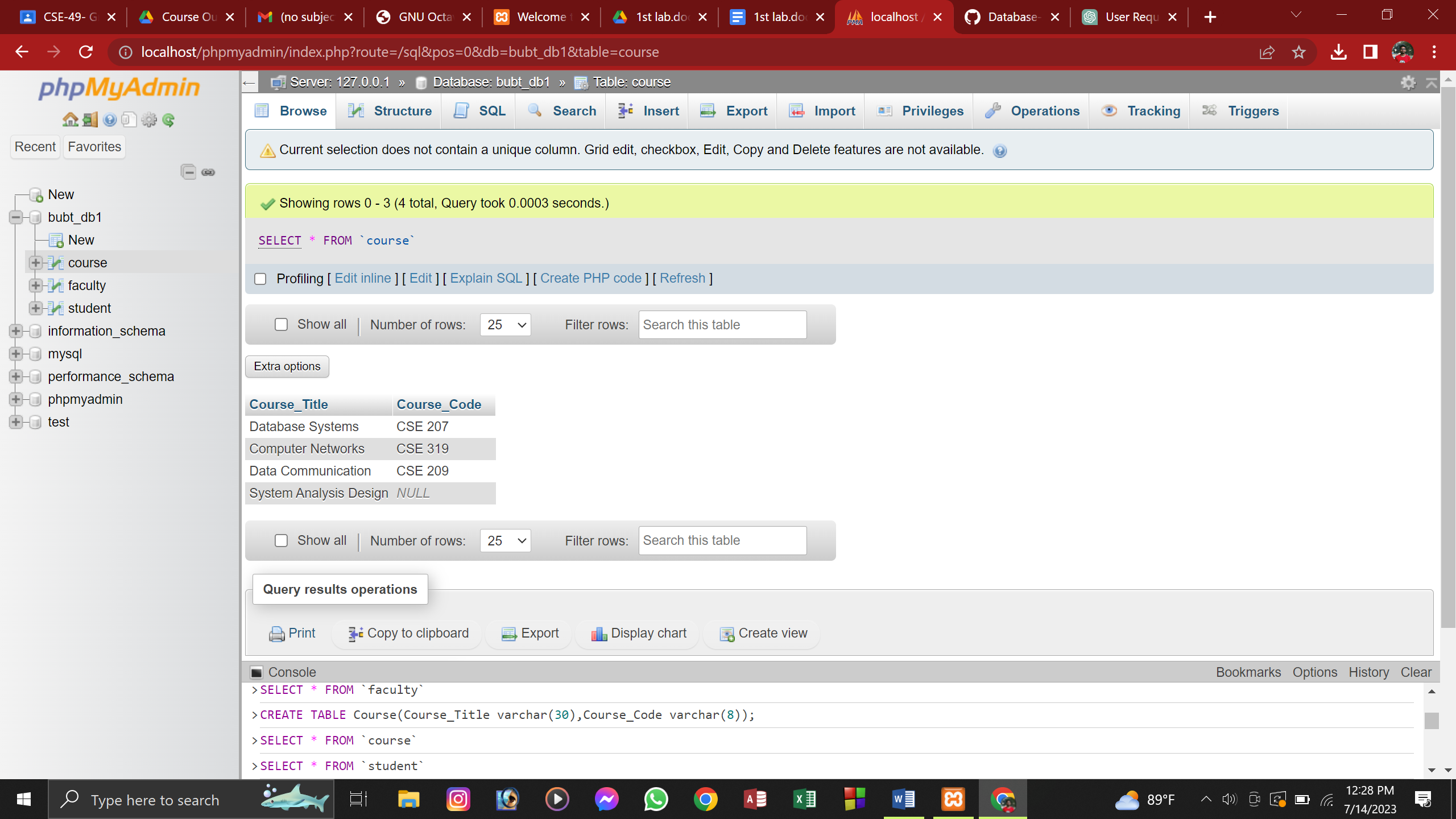
INSERT INTO faculty VALUES('Sweety Lima', 'SWL', 'CSE 209', 'Fall 2019-20');

INSERT INTO faculty VALUES('Shumi Khatun', 'SKN', 'NULL', 'Summer 2019');

INSERT INTO faculty VALUES('Nadia Afrin Ritu','NULL', 'CSE 351', 'NULL');

Output:





CREATE TABLE Course(Course\_Title varchar(30),Course\_Code varchar(8));

INSERT INTO course VALUES ('Database Systems', 'CSE 207');

INSERT INTO course VALUES('Computer Networks', 'CSE 319');

INSERT INTO course VALUES('Data Communication', 'CSE 209');

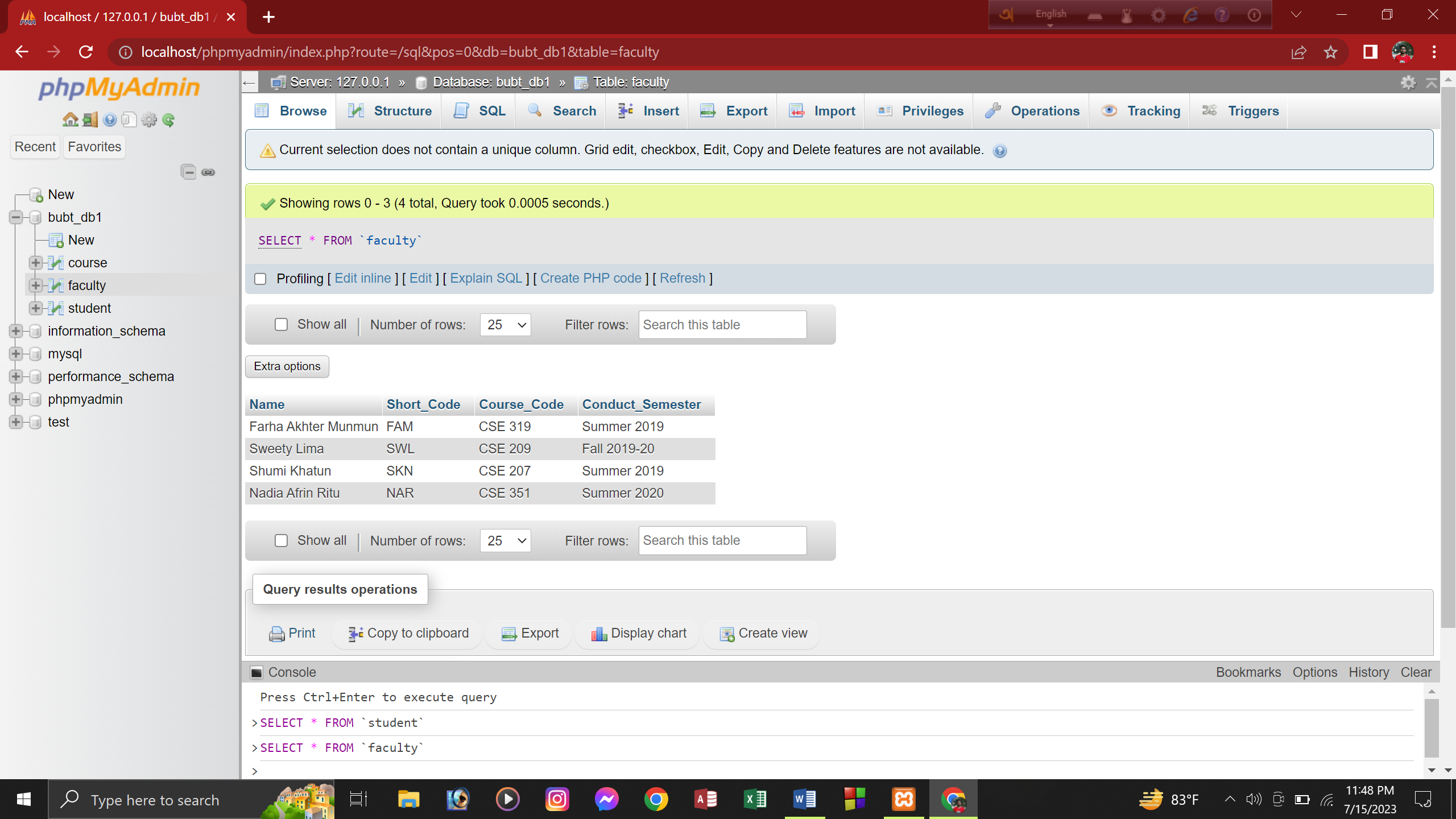
INSERT INTO course VALUES('System Analysis Design', NULL);

3.

a) Update the short code whose short code is NULL.

Query:

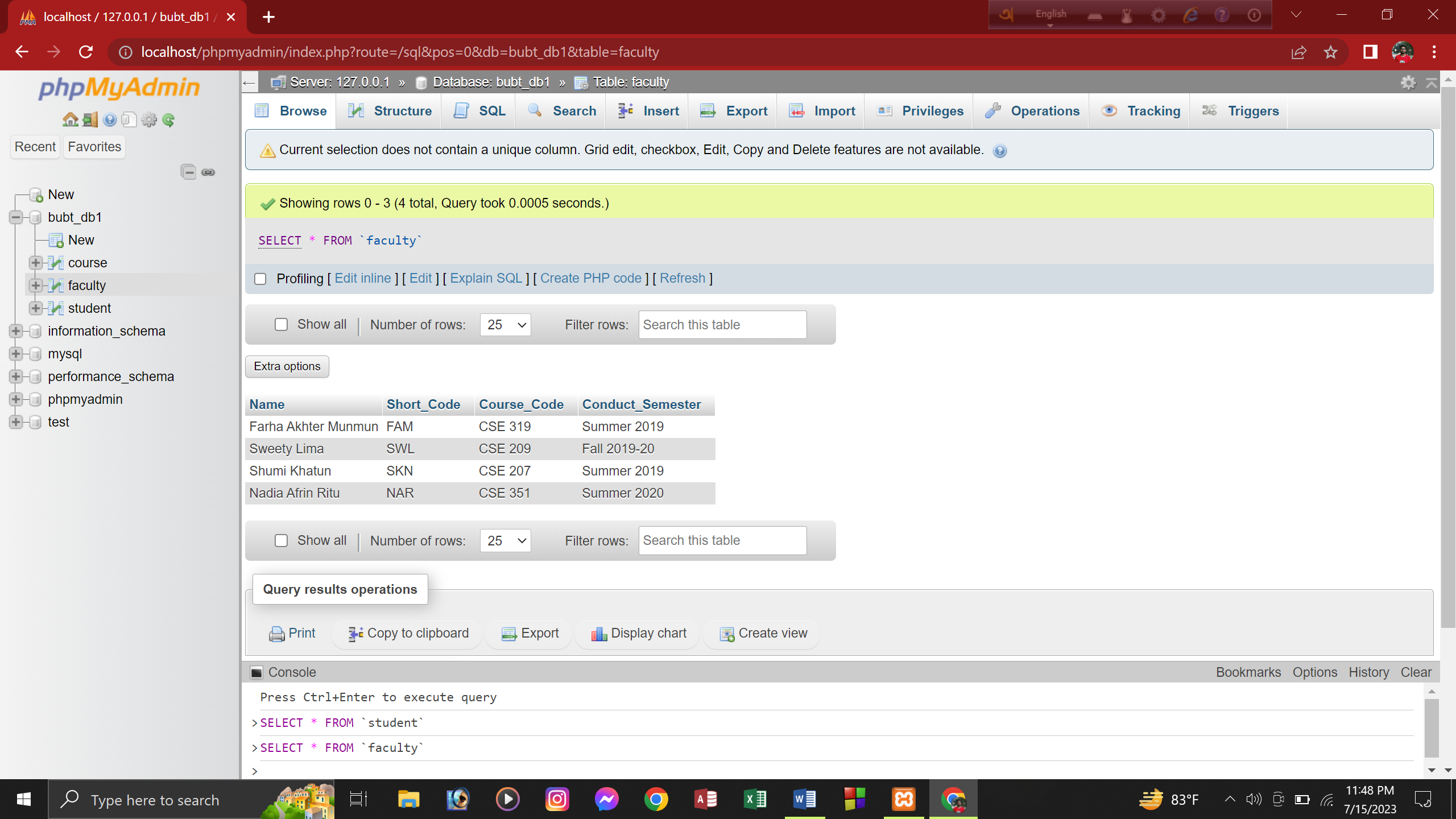
UPDATE faculty SET Short\_Code='NAR' WHERE Name='Nadia Afrin Ritu';



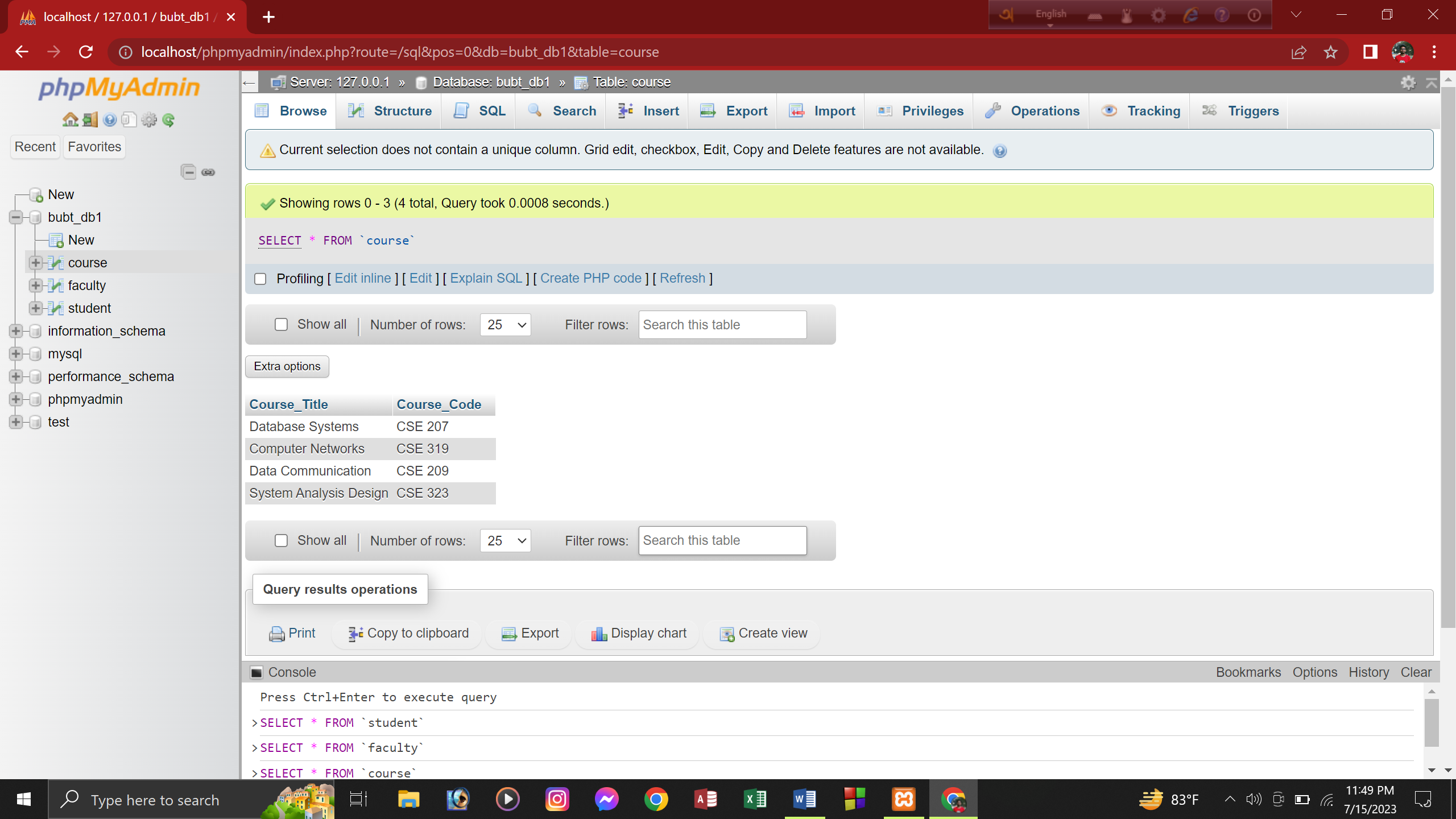
b) Update the course code that is NULL.

Query:

UPDATE faculty SET Course\_Code='CSE 207' WHERE Name='Shumi Khatun';



UPDATE course SET Course\_Code='CSE 323' WHERE Course\_Title='System Analysis Design';



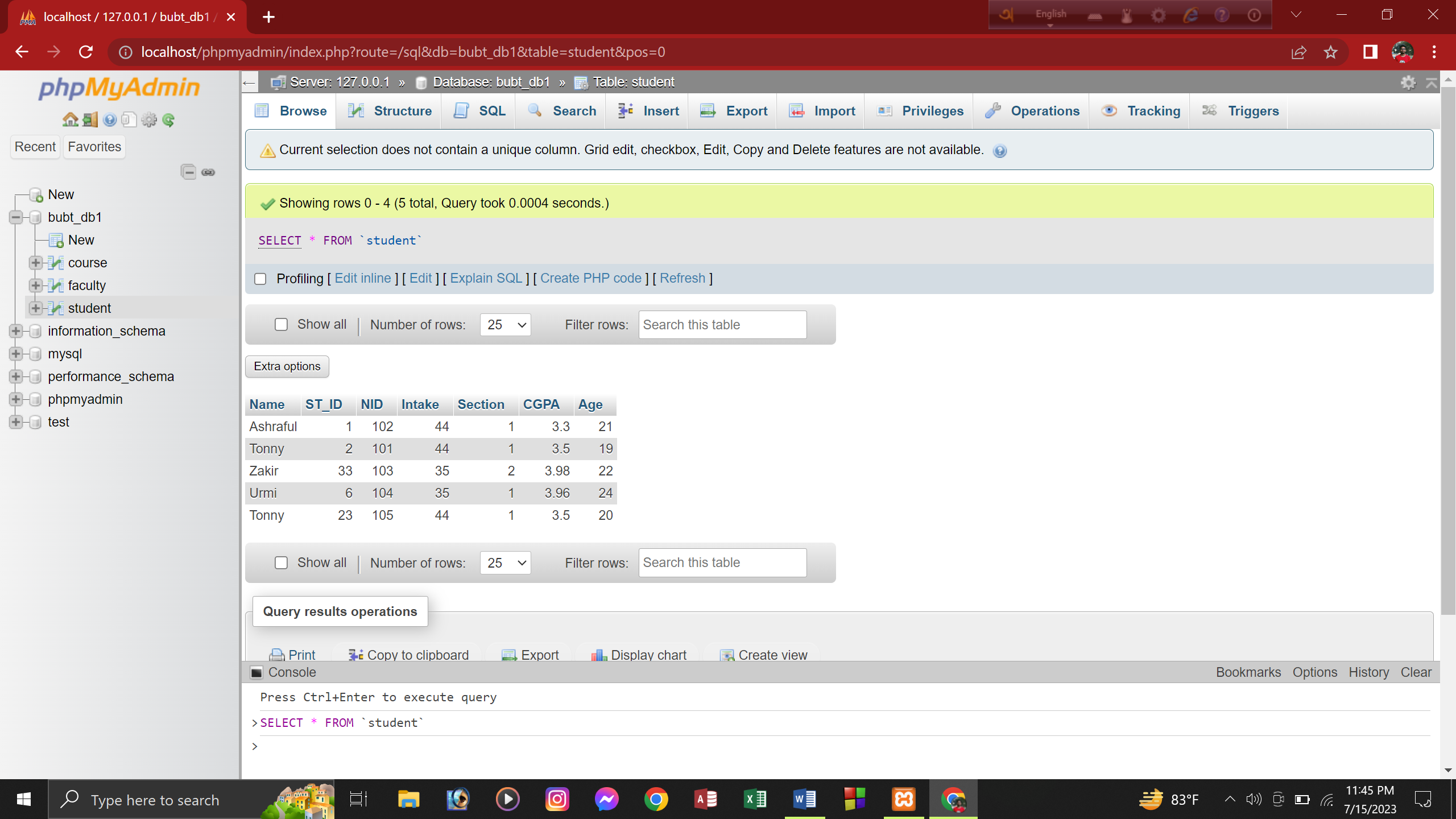
c)Update the conduct semester that is NULL.

Query:

UPDATE faculty SET Conduct\_Semester='Summer 2020' WHERE Name='Nadia Afrin Ritu';

d) Add a new column named “Age” in student relation.

Query:



ALTER TABLE student ADD COLUMN Age int(3);

e) Update the age of each student.

Query:

UPDATE student SET Age='21' WHERE NID='102';

UPDATE student SET Age='19' WHERE NID='101';

UPDATE student SET Age='22' WHERE NID='103';

UPDATE student SET Age='24' WHERE NID='104';

UPDATE student SET Age='20' WHERE NID='105';