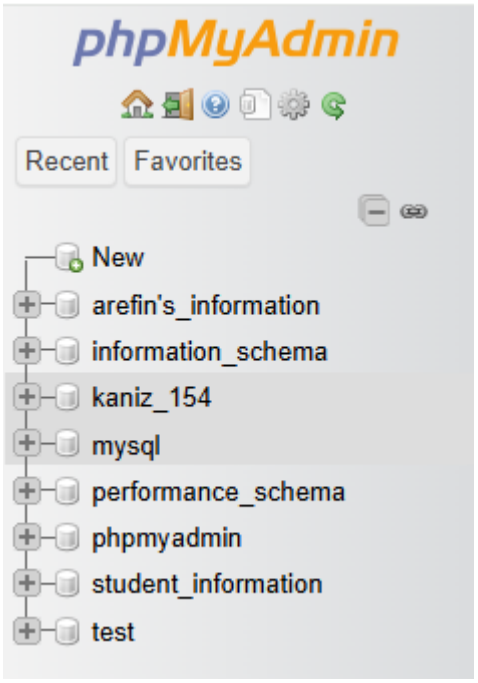
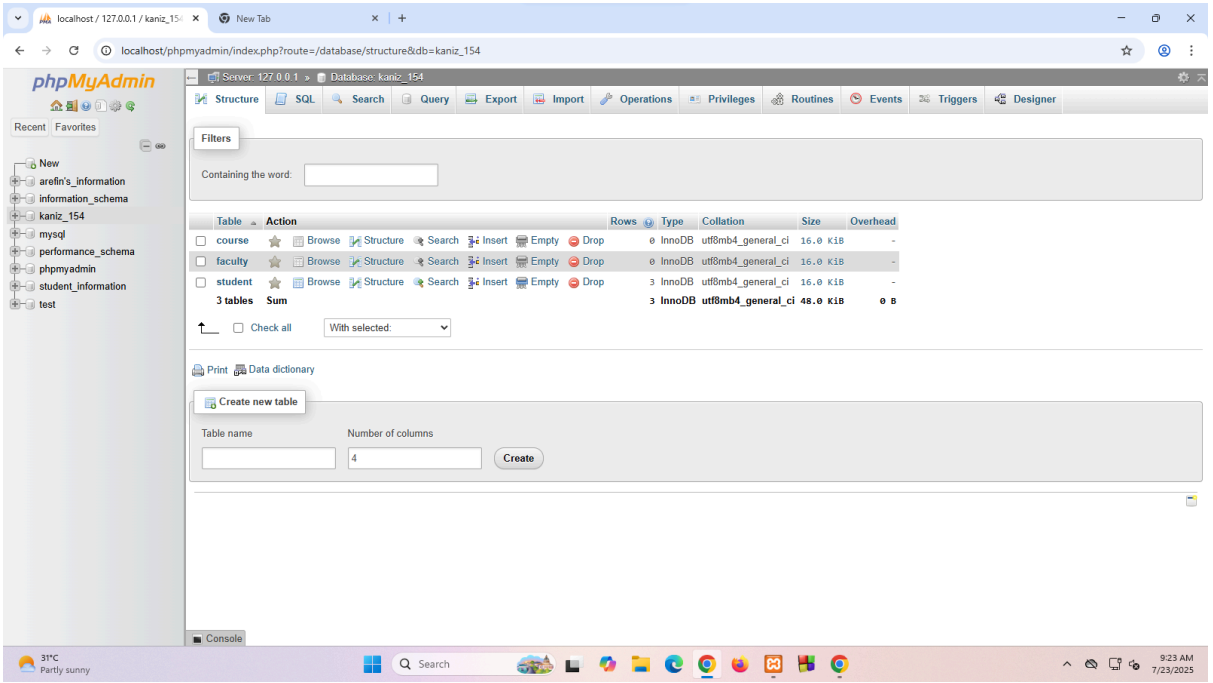
Lab1_23 July 2025

Q1. Create a DB Name “kaniz_154”

CREATE DATABASE kaniz_154

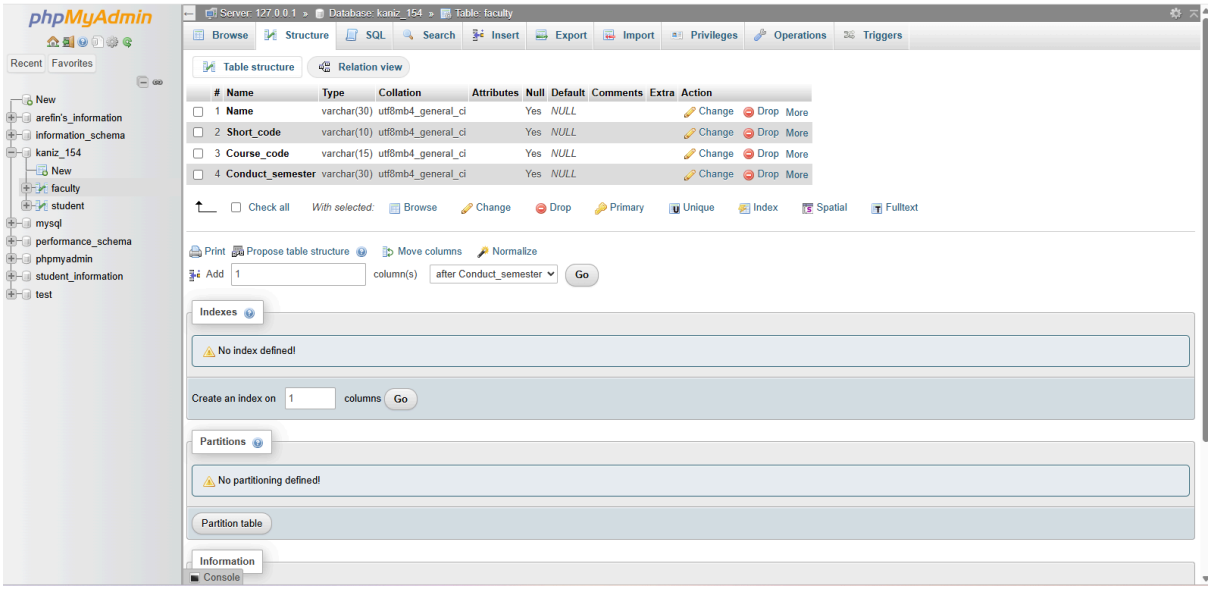




Q2. Create 3 tables in this DB named ”Student”, “Faculty”, “Course”

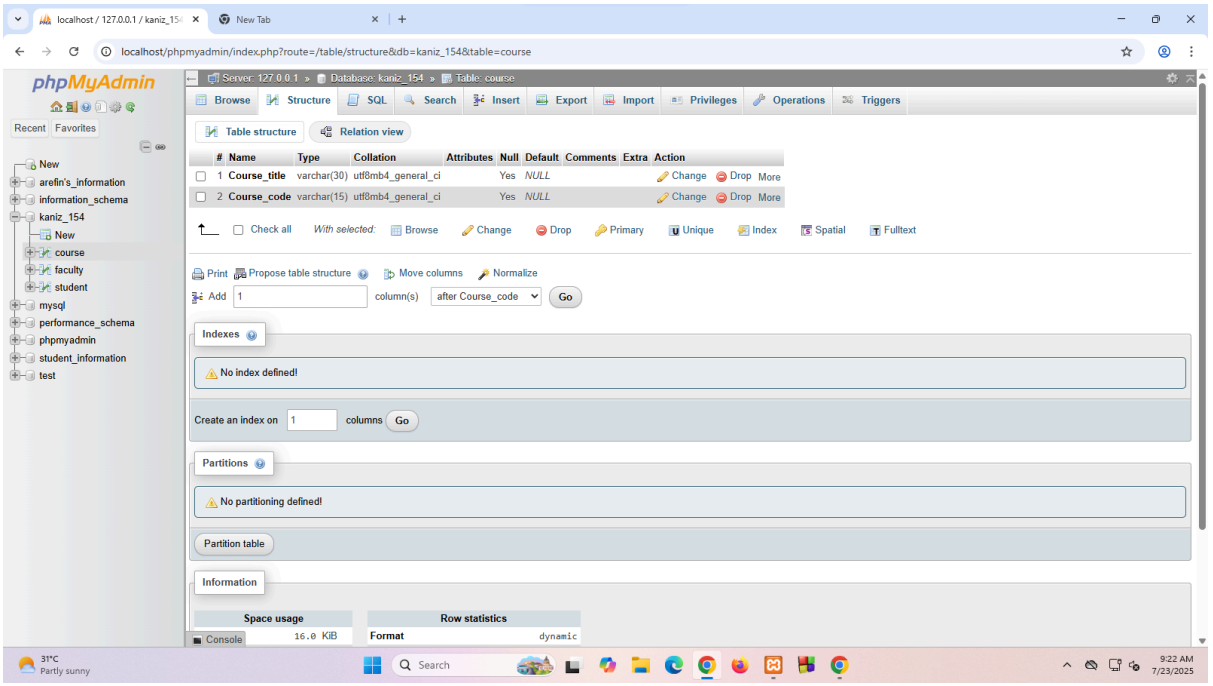
Faculty

CREATE TABLE Faculty(Name varchar(30), Short_code varchar(10), Course_code varchar(15), Conduct_semester varchar(30))



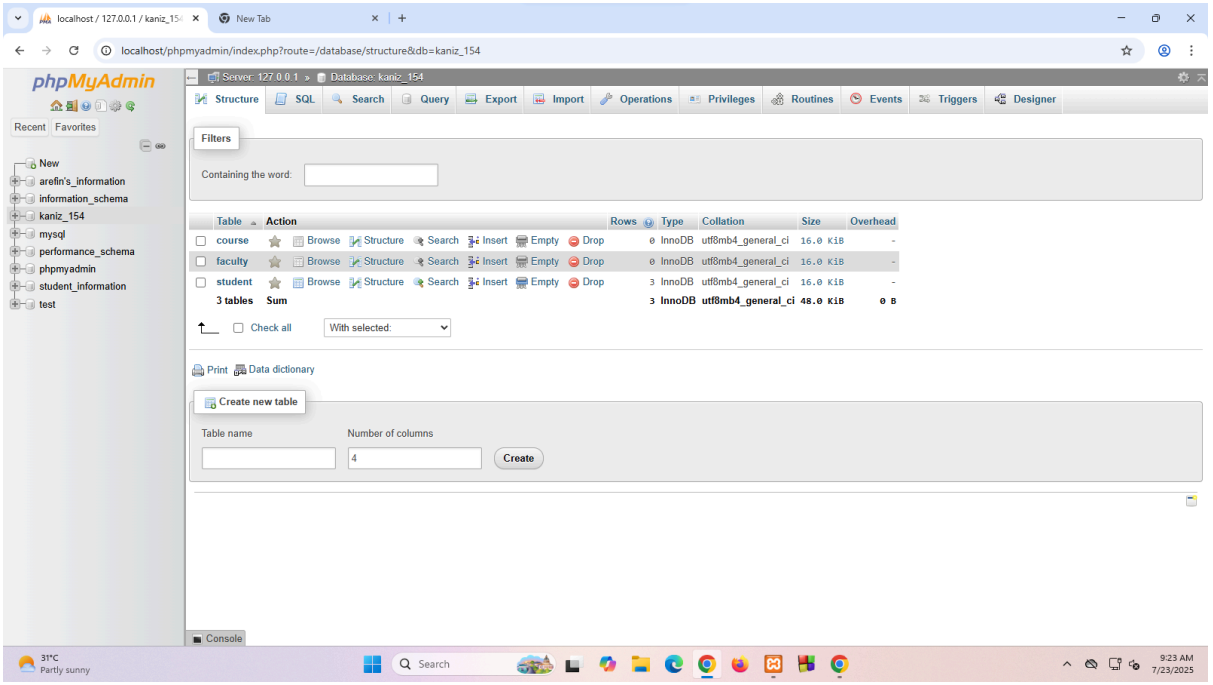
Course

CREATE TABLE Course(Course_title varchar(30), Course_code varchar(15))



Student

CREATE TABLE student(Name varchar(30), student_ID int(7), NID int(3), Intake int(2), section int(2), CGPA float(3.2))



Q2.1 Insert values on “Student”, “Course”, “Faculty”

Faculty

INSERT INTO `faculty`(`Name`, `Short_code`, `Course_code`, `Conduct_semester`) VALUES ('Meena','MN','CSE_111','Spring_2025')

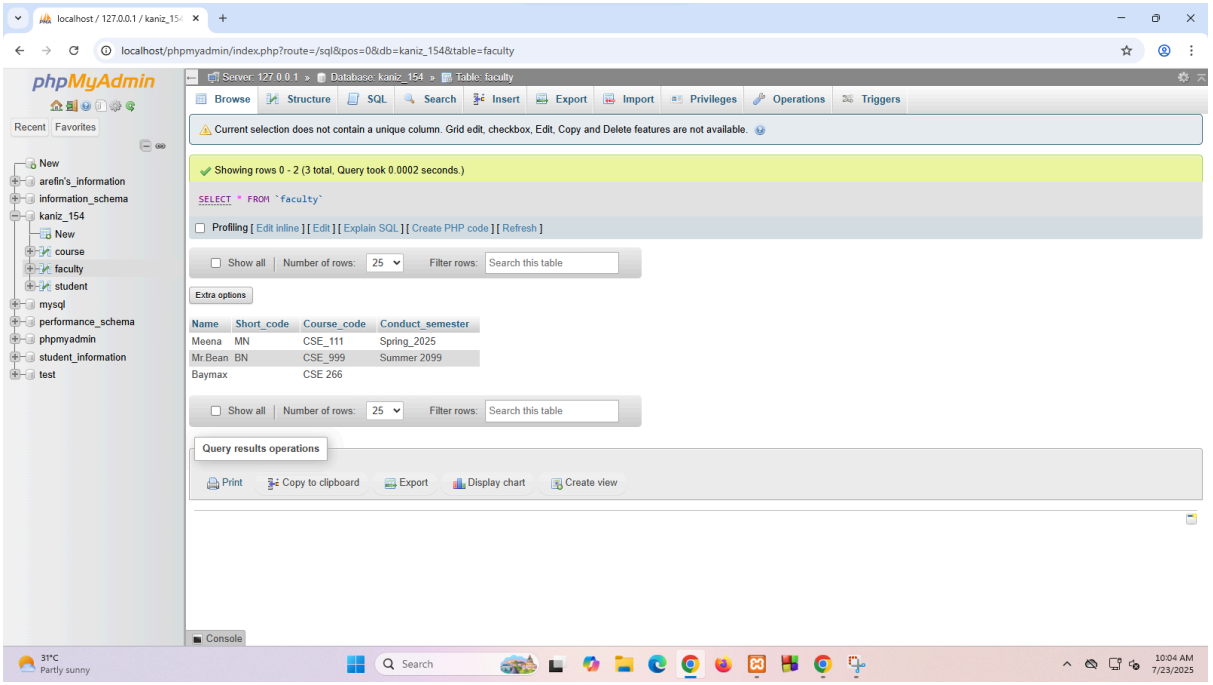
Insert Null values

INSERT INTO `faculty`(`Name`, `Short_code`, `Course_code`, `Conduct_semester`) VALUES ('Spiderman','SM','','')

Or,

INSERT into faculty values("Mr.Bean", "BN","CSE_999","Summer 2099")

INSERT into faculty values("Baymax", " ","CSE_111","Summer 2030")

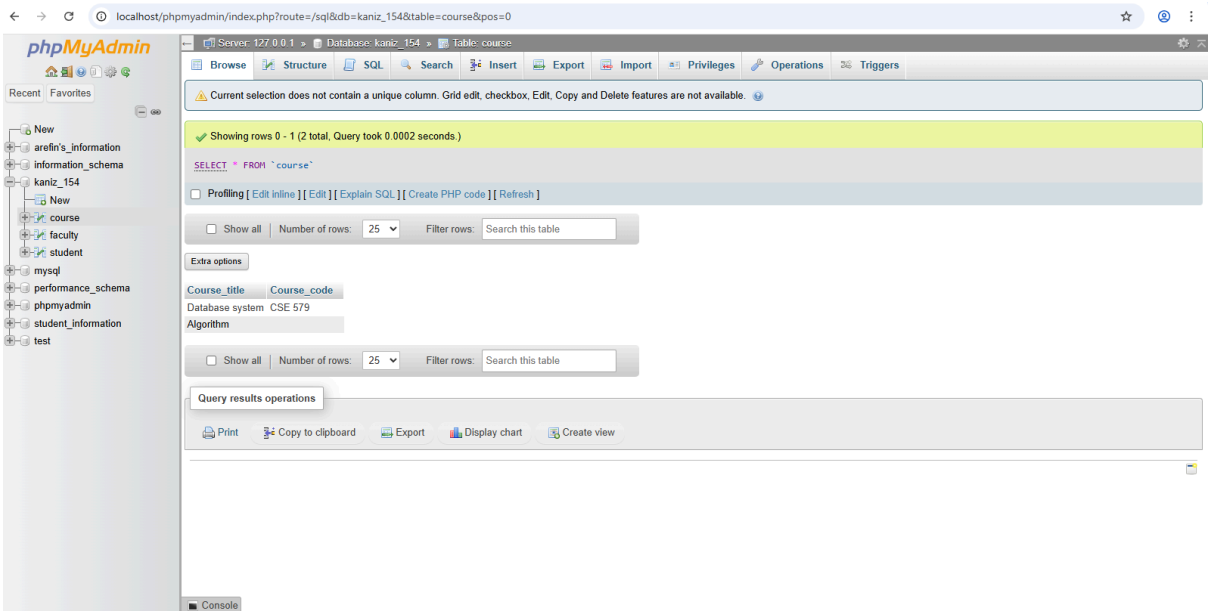


Course

INSERT INTO `course`(`Course_title`, `Course_code`) VALUES ('Database system','CSE 579')

Insert Null Value

INSERT INTO `course`(`Course_title`, `Course_code`) VALUES ('Algorithm',' ')



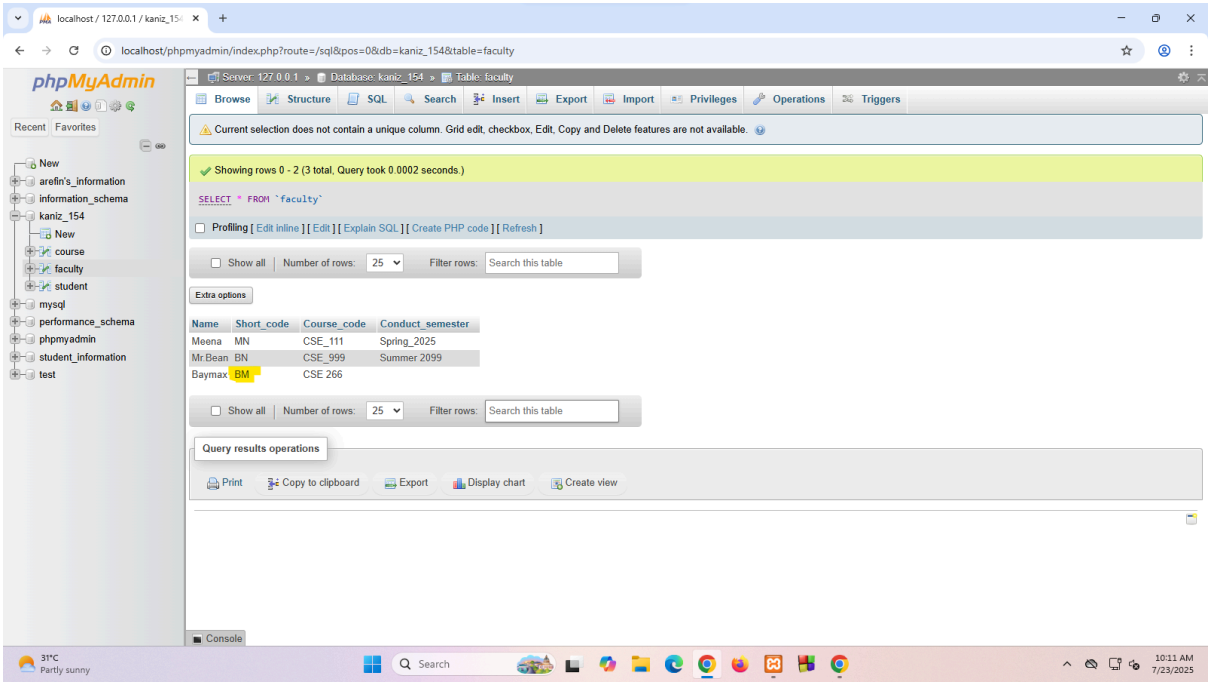
Student

// CREATE TABLE student(Name varchar(30), student_ID int(7), NID int(3), Intake int(2), section int(2), CGPA float(3.2))

INSERT into student values("Kaniz", 154,001,53, 1, 5.9)
INSERT into student values("Fatema", 023,001,53, 1, 4.9)

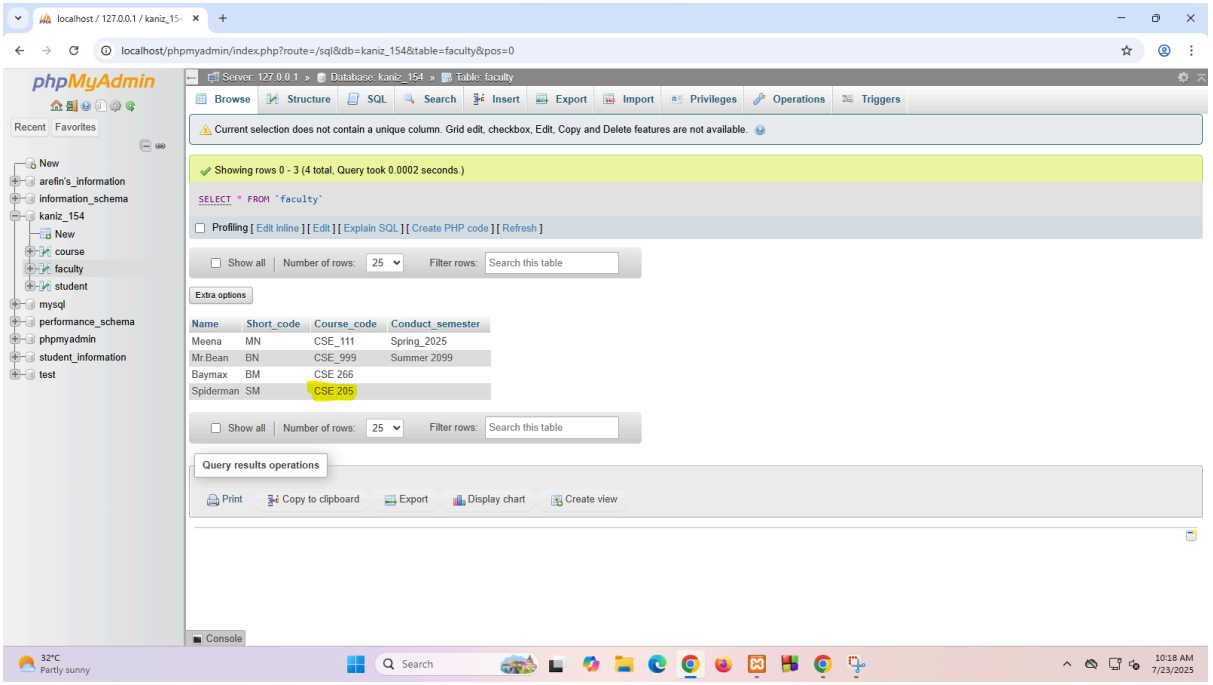
Q3. a) Update the short code whose short code is NULL.

UPDATE faculty SET Short_code ="BM" WHERE Name= "Baymax"



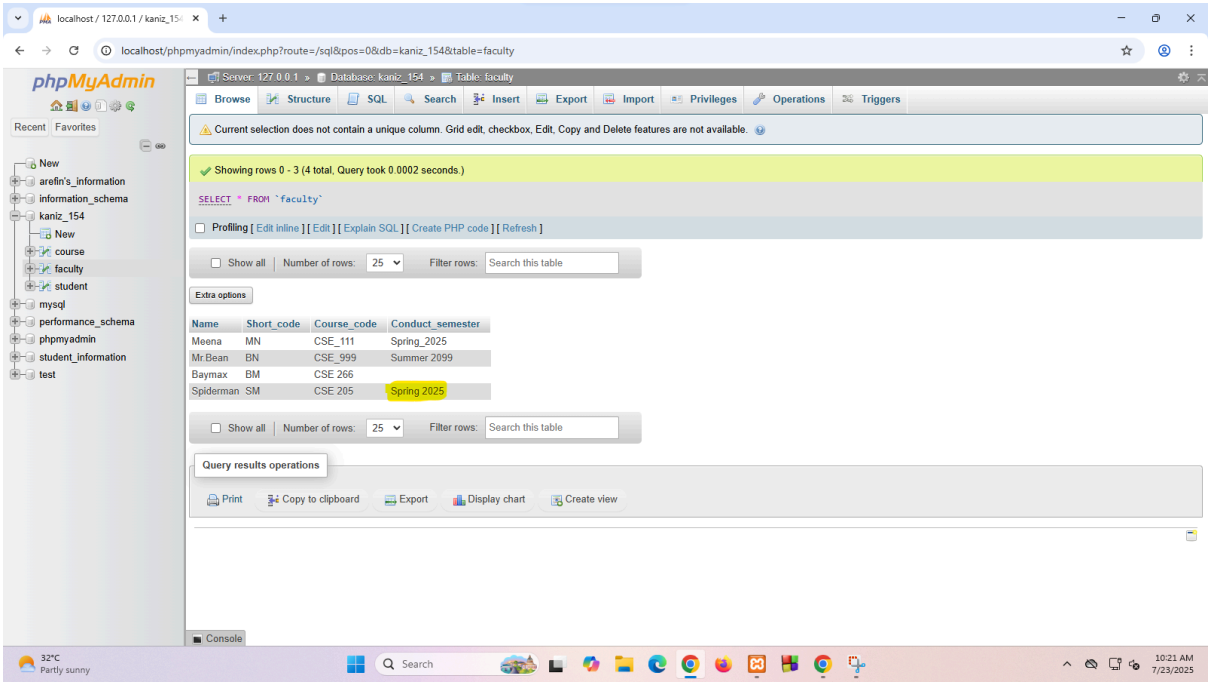
Q3. b) Update the course code that is NULL.

UPDATE faculty SET Course_code ="CSE 205" WHERE Name= "Spiderman"



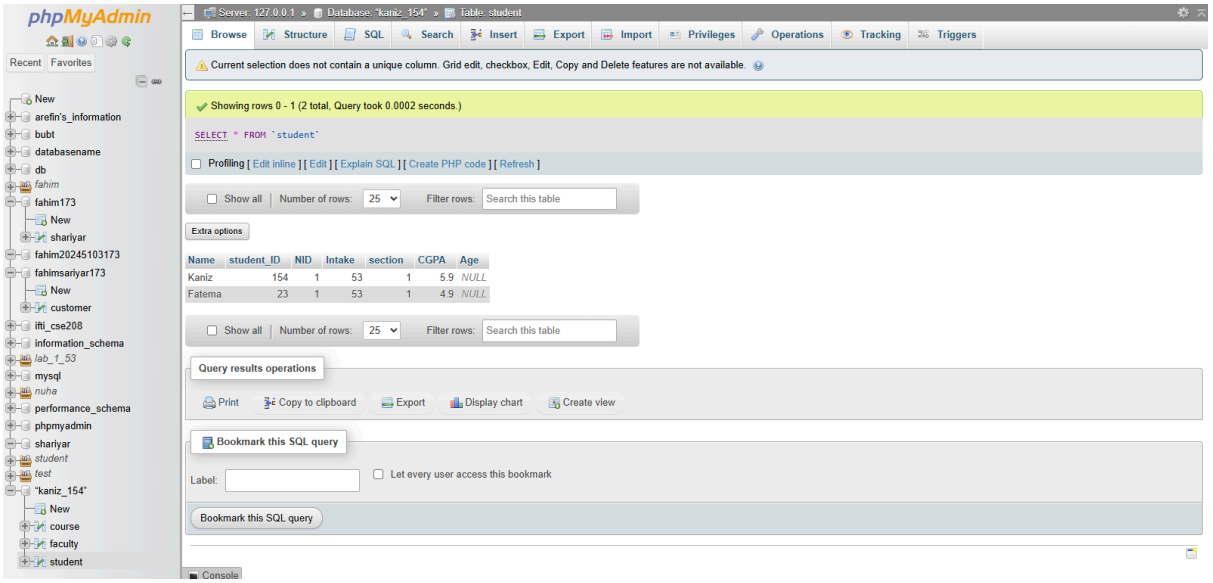
Q3. c) Update the conduct semester that is NULL.

UPDATE faculty SET Conduct_semester ="Spring 2025" WHERE Name= "Spiderman"
UPDATE faculty SET Conduct_semester ="Spring 2025" WHERE Name= "Meena"



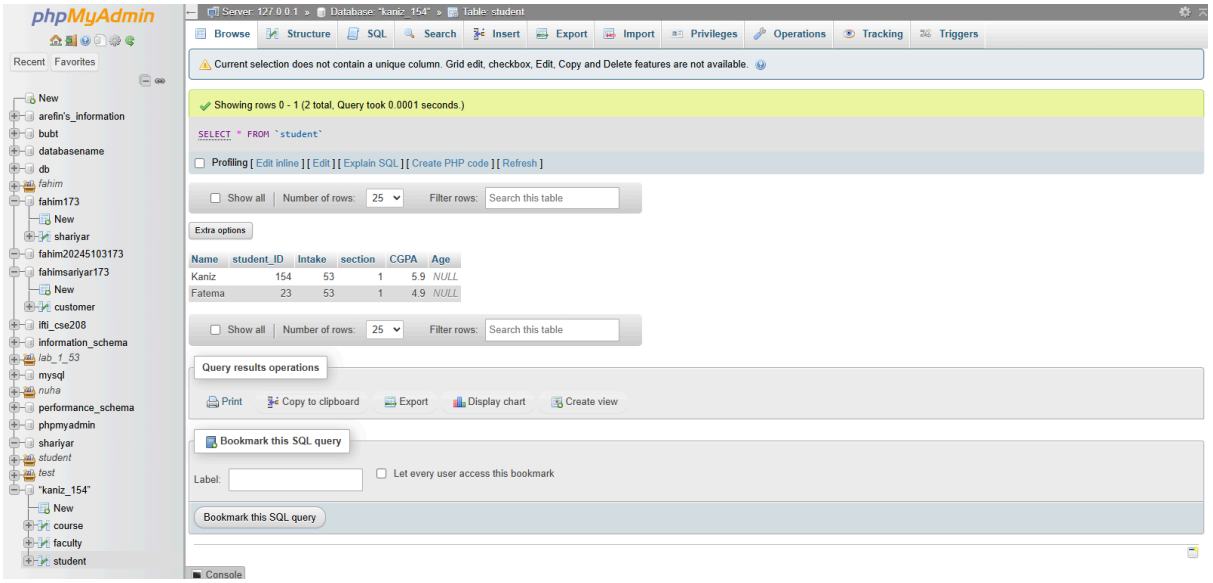
Q3. d) Add a new column named “Age” in student relation.

Alter table Student ADD Column Age int(2)



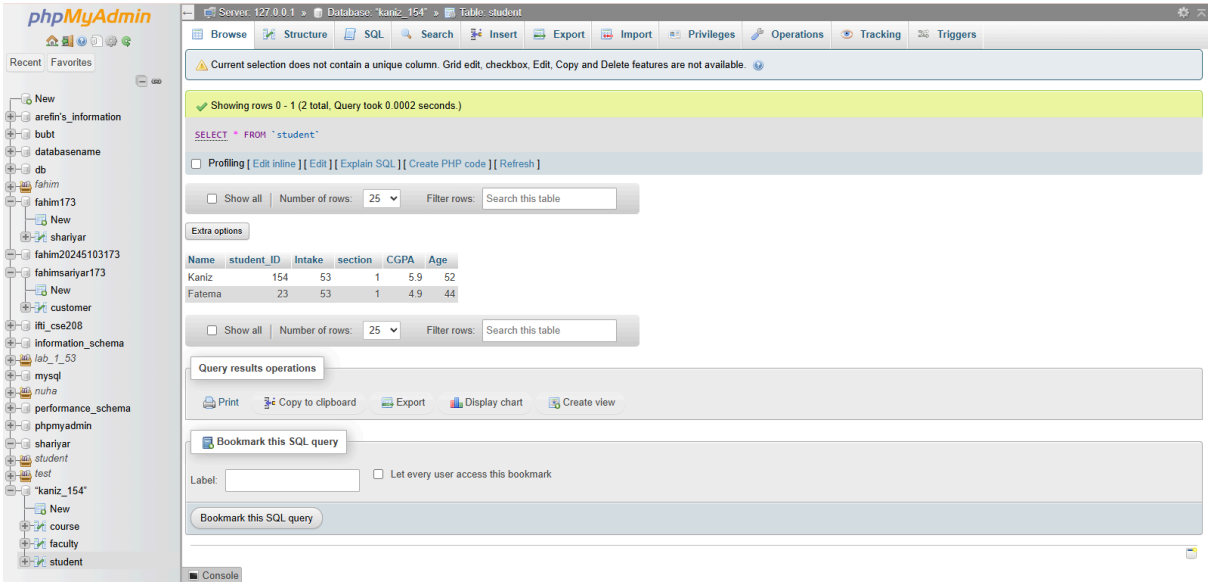
Q3. d.1) Delete column named “NID” from Student database

Alter table Student DROP Column NID



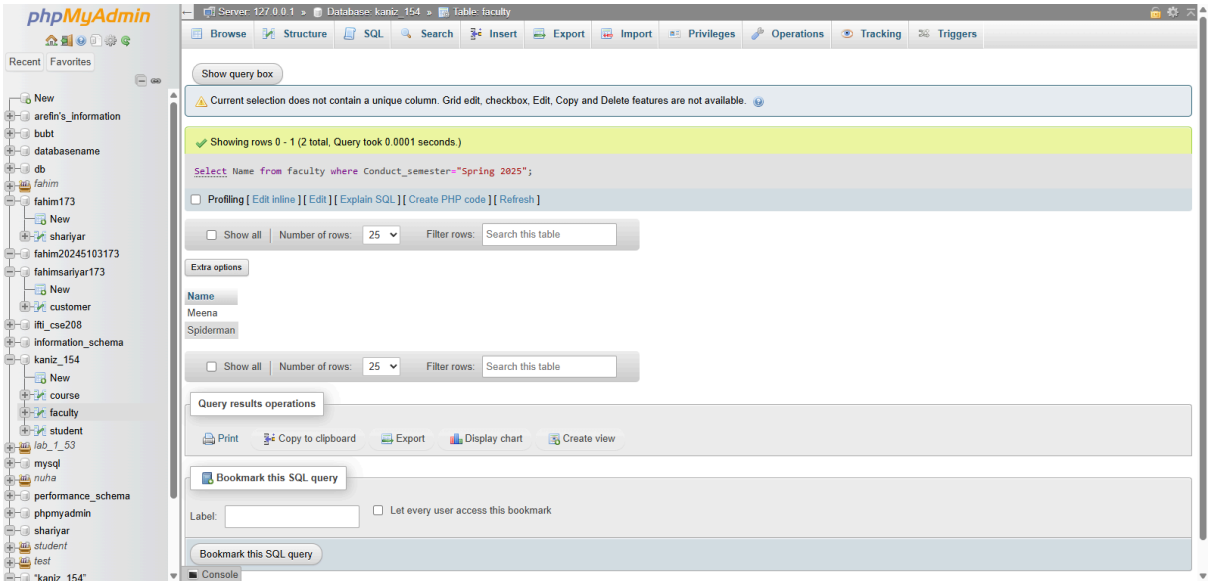
Q3. e) Update the age of each student.

update Student set Age=52 where student_ID=154
update Student set Age=44 where student_ID=23



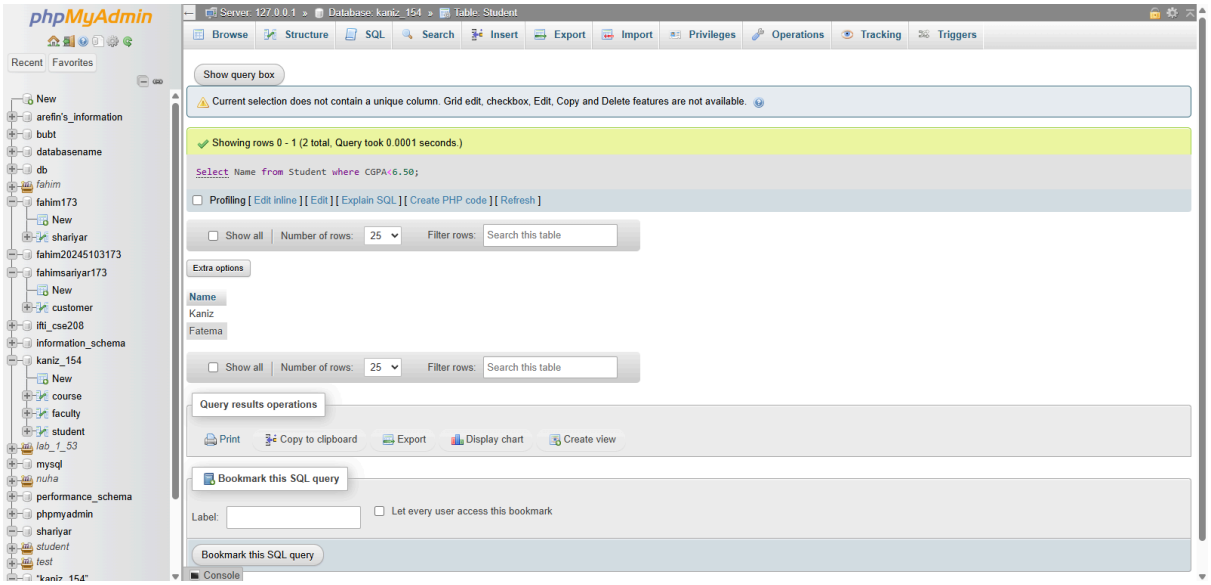
Q3. g) Find the names of all teachers who has conducted in Spring 2025.

Select Name from faculty where Conduct_semester="Spring 2025"



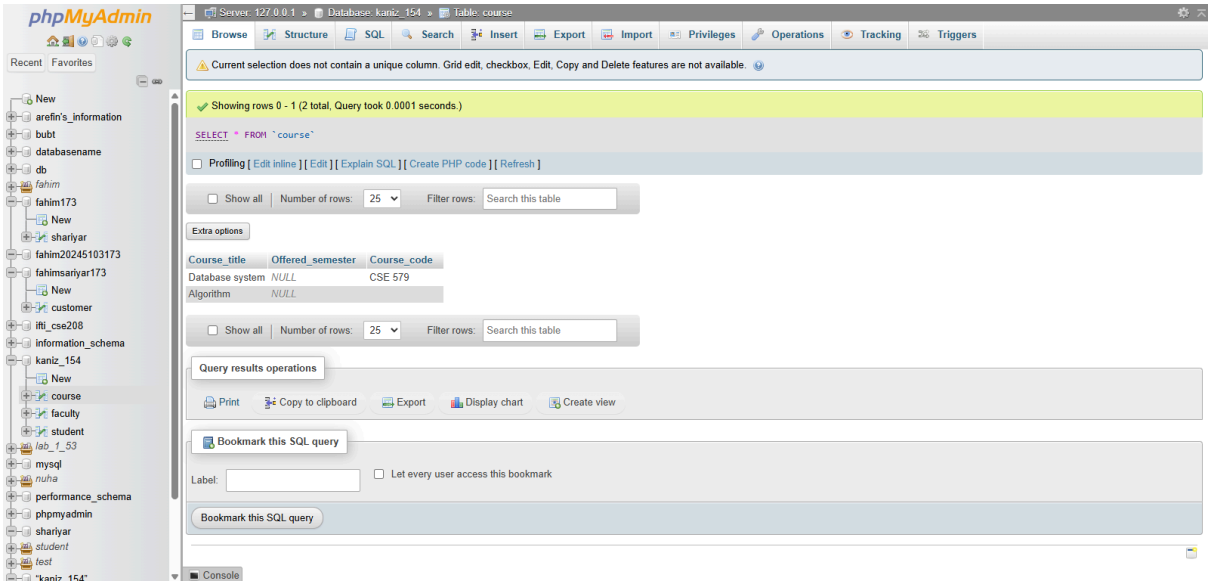
Q3. h) Find the names of all students whose CGPA is greater than 6.50.

Select Name from Student where CGPA<6.50



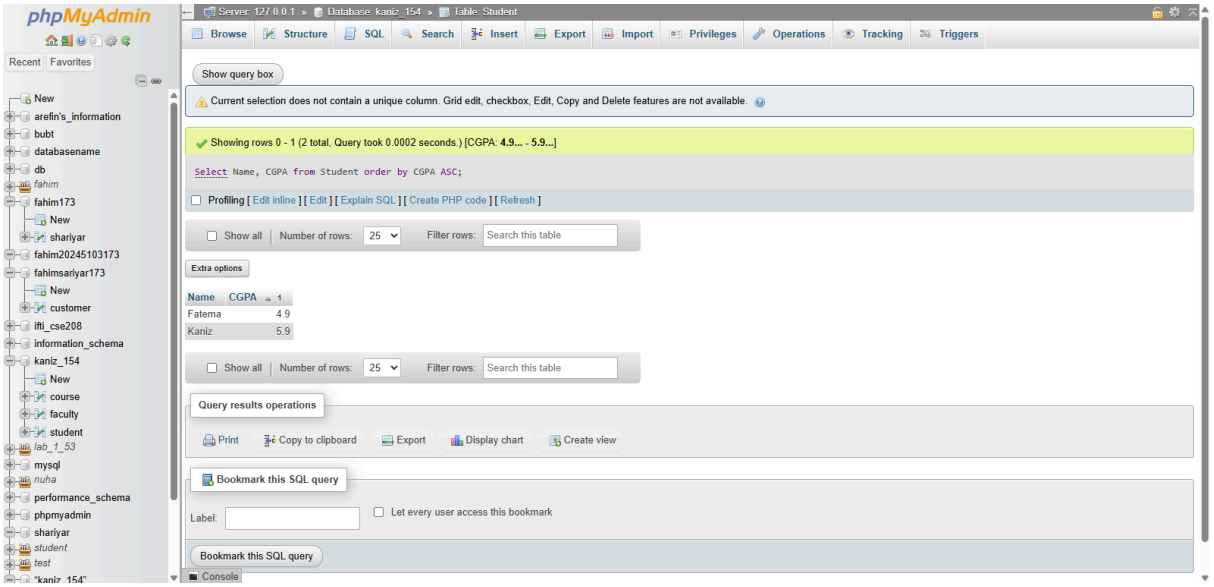
Q3. i) Add a new column “Offered semester” after the column “Course Title”.

Alter table course ADD column Offered_semester varchar(20) AFTER Course_title



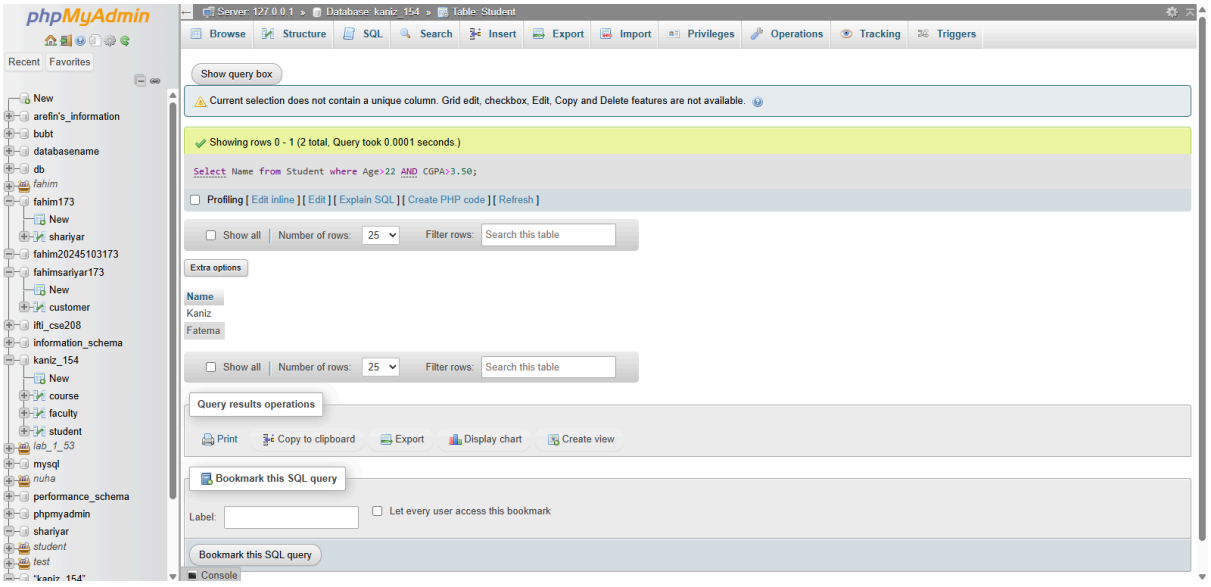
Q3. j) Find the name and CGPA of each student order by their CGPA (Ascending order.).

Select Name, CGPA from Student order by CGPA ASC



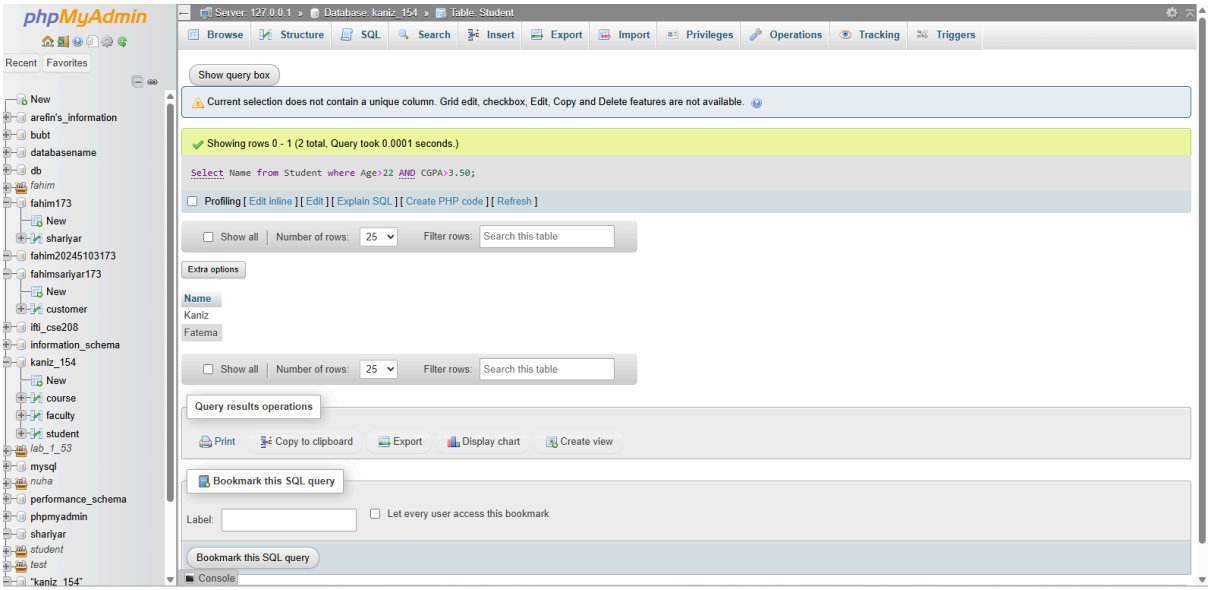
Q3. k) Find the name of all students whose age is greater than 22 and CGPA is greater than 3.50.

Select Name from Student where Age>22 AND CGPA>3.50



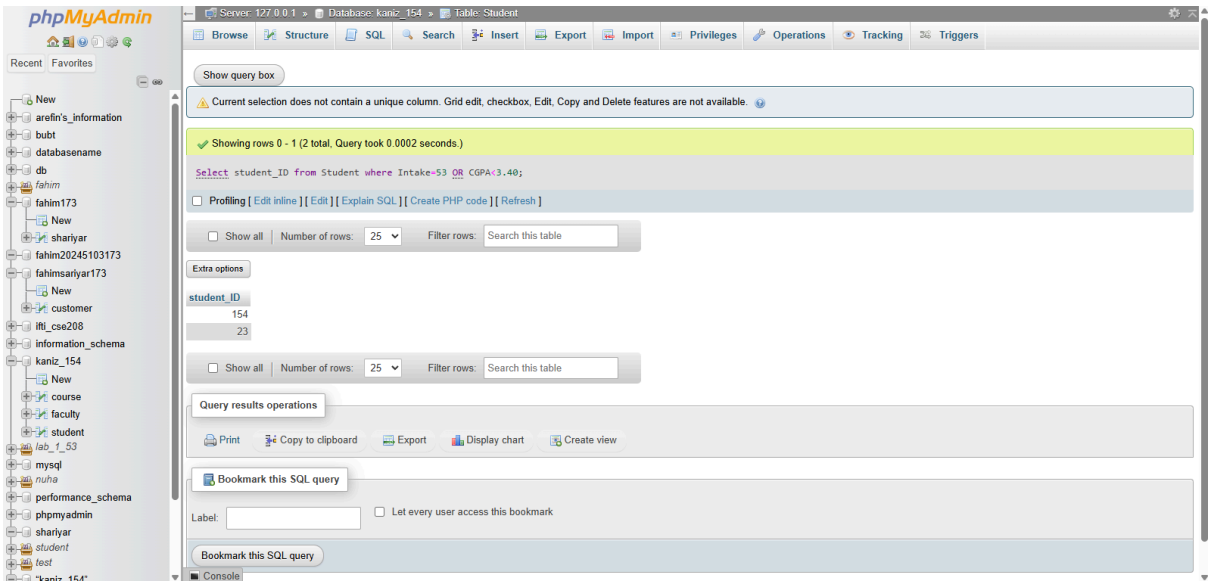
Q3. k) Find the name of all students whose age is greater than 22 and CGPA is greater than 3.50.

Select Name from Student where Age>22 AND CGPA>3.50



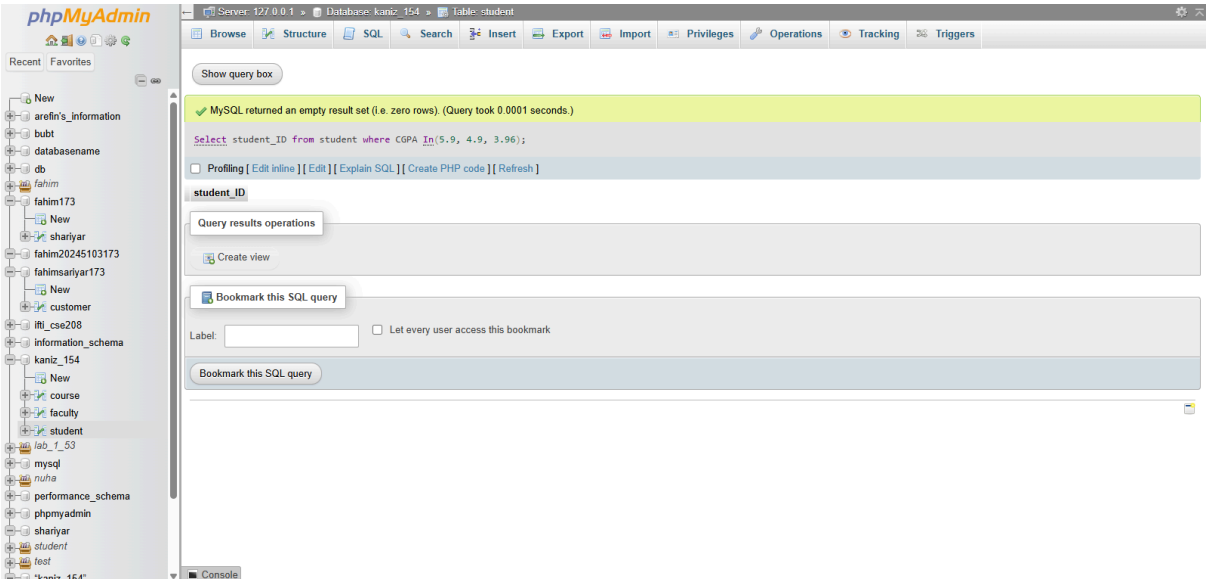
Q3. l) Find the Id of all those students who are from 53 intake or CGPA is less than 3.40.

Select student_ID from Student where Intake=53 OR CGPA<3.40



Q3. m) Find the Id of all those students whose CGPA is 5.9 or 4.9 or 3.96.

Select student_ID from student where CGPA In(5.9, 4.9, 3.96)


phpMyAdmin
Recent
Favorites
New
arefin's_information
bubt
databasename
db
fahim
fahim173
New
shariyar
fahim20245103173
fahimsariyar173
New
customer
ifti_cse208
information_schema
kaniz_154
New
course
faculty
student
lab_1_53
mysql
nuha
performance_schema
phpmyadmin
shariyar
student
test
Server: 127.0.0.1 » Database: kaniz_154 » Table: student
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Show query box
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0001 seconds.)
Select student_ID from student where CGPA In(5.9, 4.9, 3.96);
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
student_ID
Query results operations
Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Bookmark this SQL query
Console