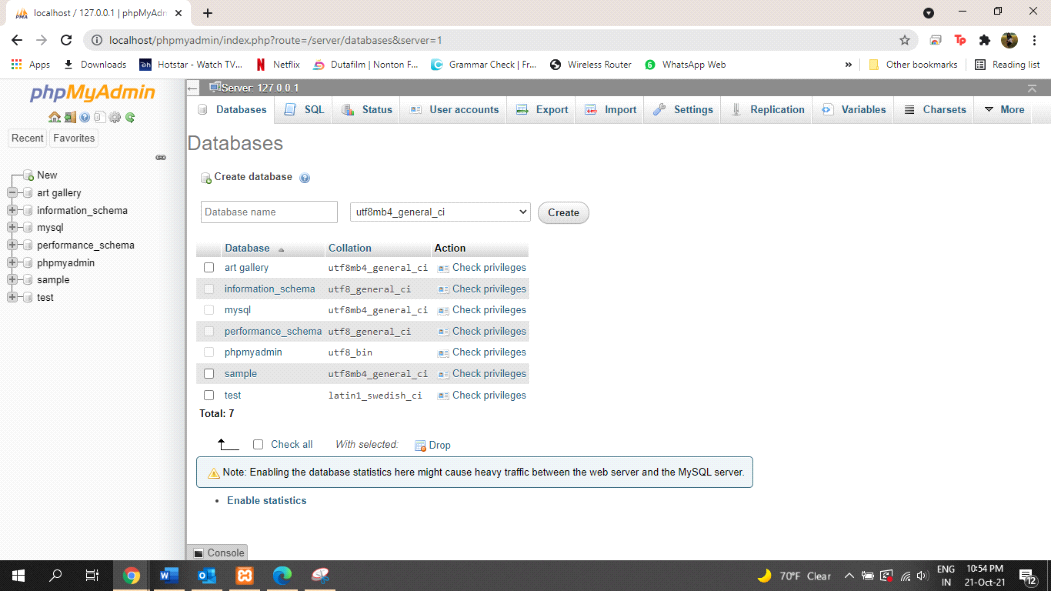
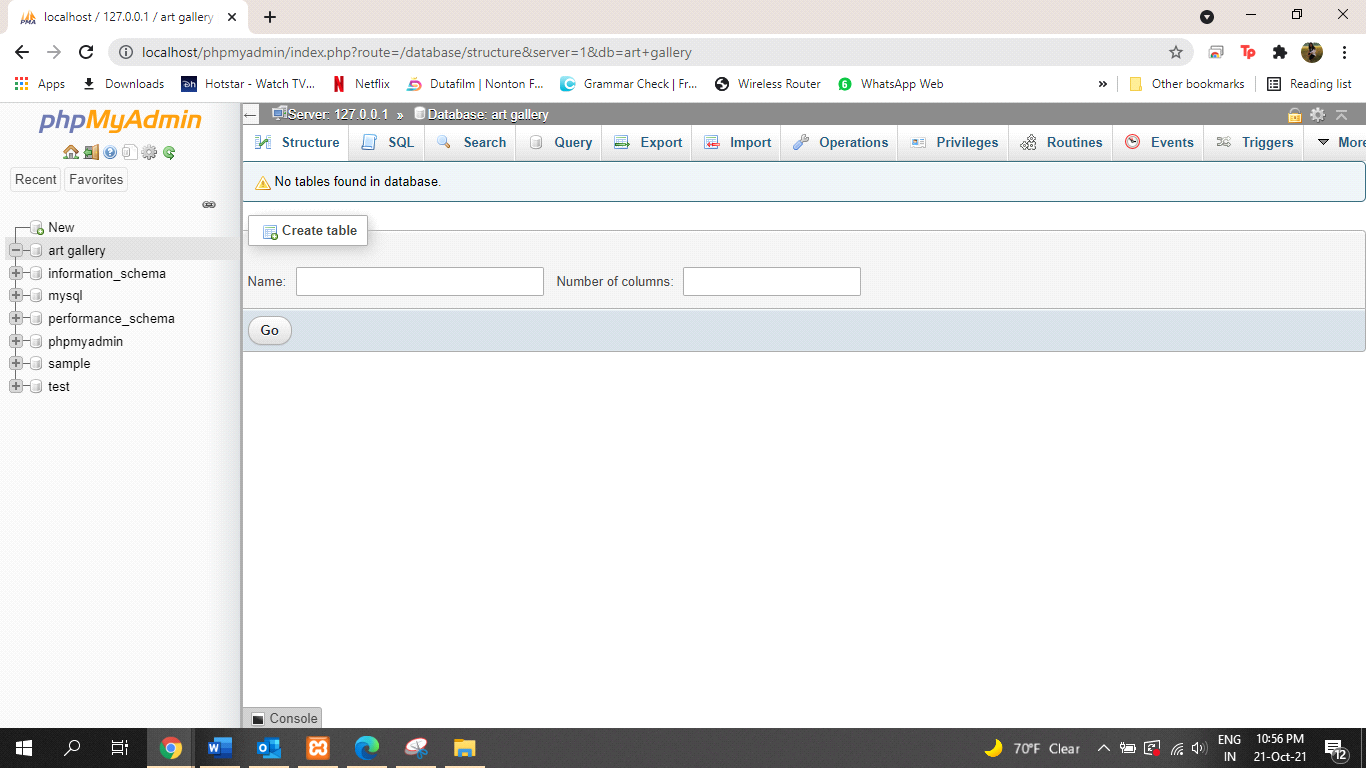
***DB PROJECT PHASE2 PART 1***

* **CREATING ART GALLERY DATABASE**



**DATABASE CREATED**



**CREATION OF TABLES**

* **ARTIST**

**Query:** CREATE TABLE artist (

aID INT(10) NOT NULL,

name VARCHAR(100) NOT NULL,

birthDate DATE NOT NULL,

deathDate DATE,

commission INT(100) NOT NULL,

street VARCHAR(100) NOT NULL,

city VARCHAR(100) NOT NULL,

stateAb VARCHAR(3) NOT NULL,

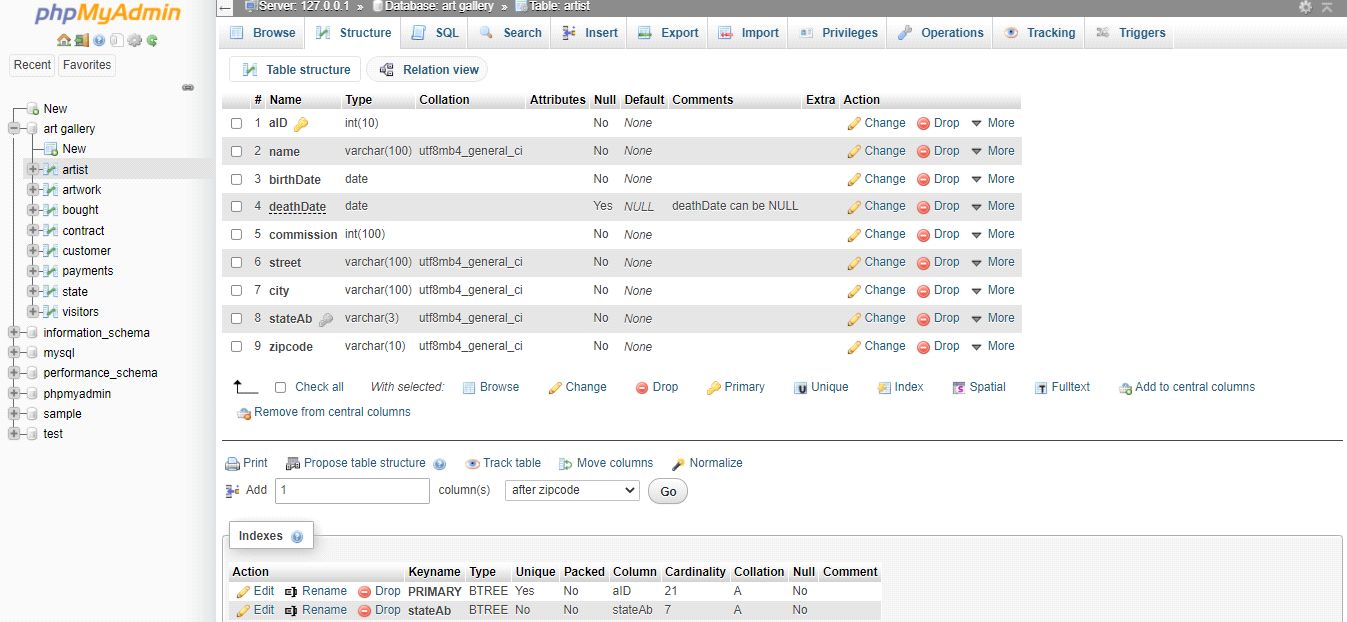
zipcode VARCHAR(10) NOT NULL,

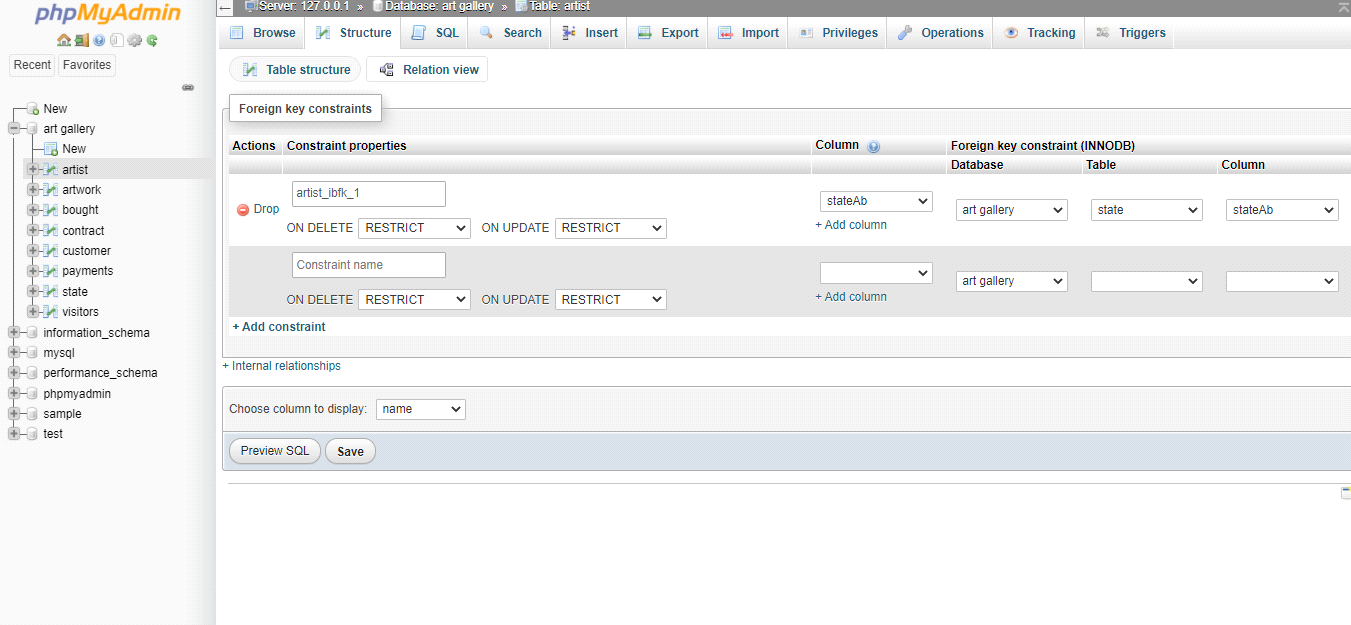
PRIMARY KEY (aID),

FOREIGN KEY (stateAb) REFERENCES state(stateAb)

);

**Output:**





* **ARTWORK**

**Query:** CREATE TABLE artwork (

aID INT(10) NOT NULL,

artID INT(10) NOT NULL,

title VARCHAR(100) NOT NULL,

creationDate DATE NOT NULL,

acquisitionDate DATE NOT NULL,

price INT(100) NOT NULL,

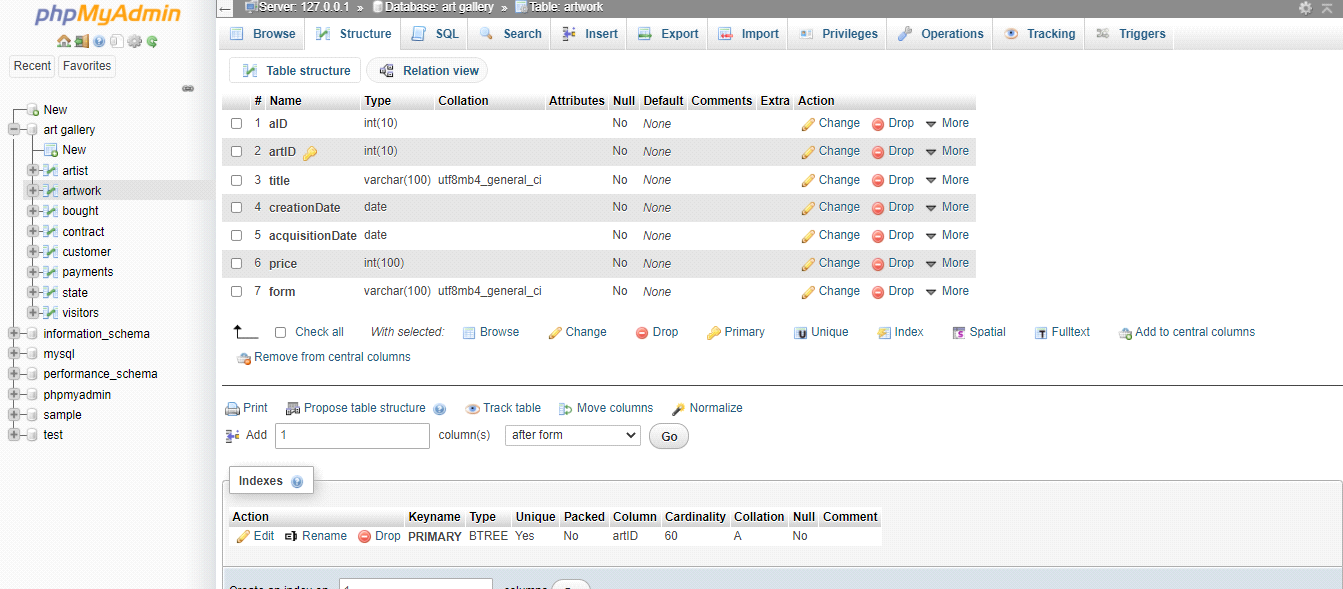
form VARCHAR(100) NOT NULL,

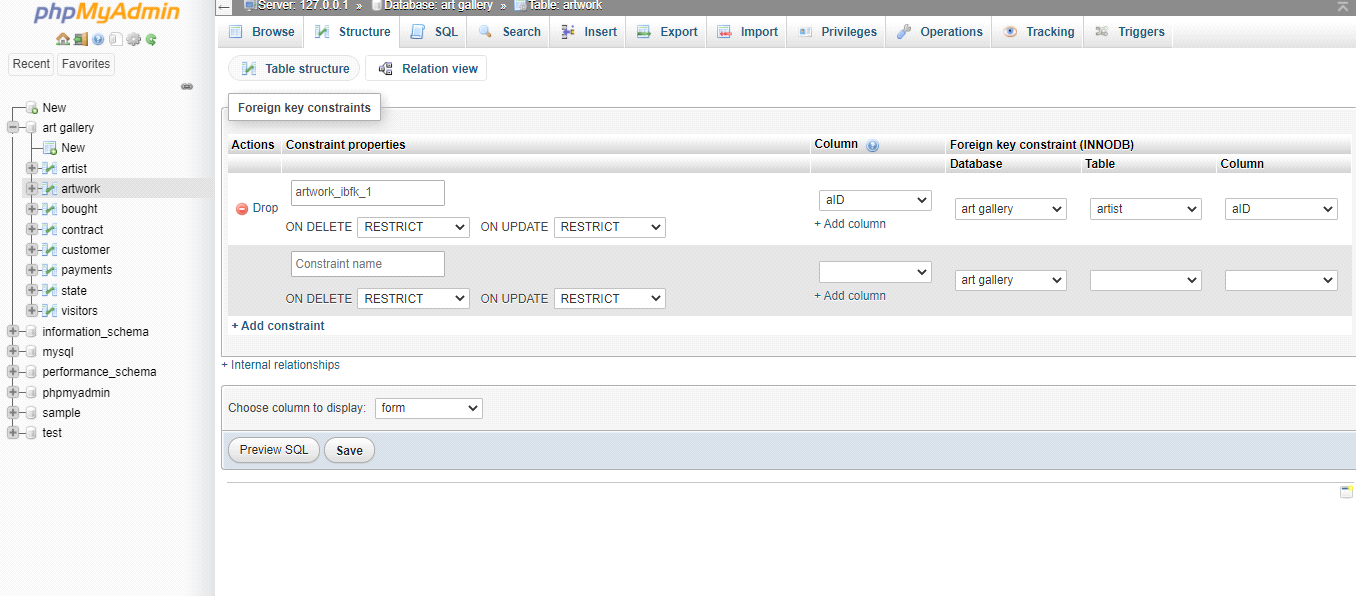
PRIMARY KEY (artID),

FOREIGN KEY (aID) REFERENCES artist(aID)

);

**Output:**





* **CONTRACT**

**Query:** CREATE TABLE contract (

aID INT(10) NOT NULL,

coID INT(10) NOT NULL,

startDate DATE NOT NULL,

endDate DATE NOT NULL,

mRate INT(10) NOT NULL,

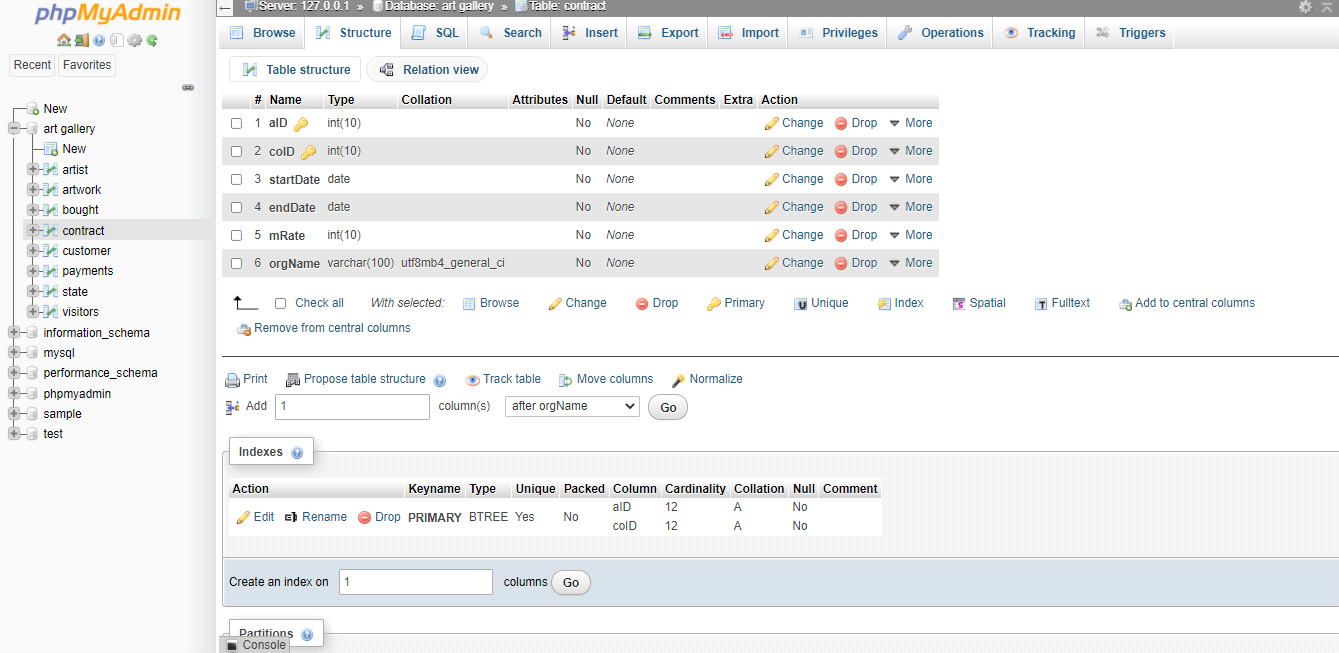
orgName VARCHAR(100) NOT NULL,

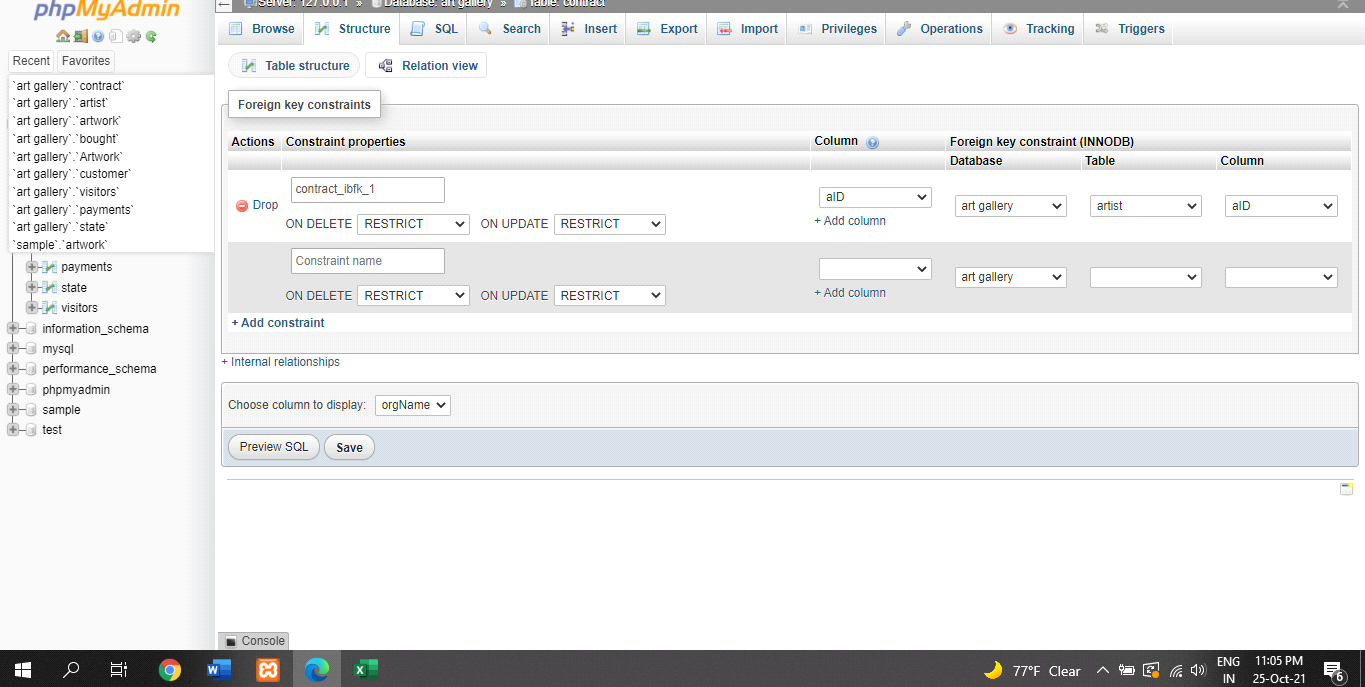
PRIMARY KEY (aID, coID),

FOREIGN KEY (aID) REFERENCES artist(aID)

);

**Output:**





* **CUSTOMER**

**Query:** CREATE TABLE customer (

cID INT(10) NOT NULL,

name varchar(100) NOT NULL,

street VARCHAR(100) NOT NULL,

city varchar(100) NOT NULL,

stateAb VARCHAR(3) NOT NULL,

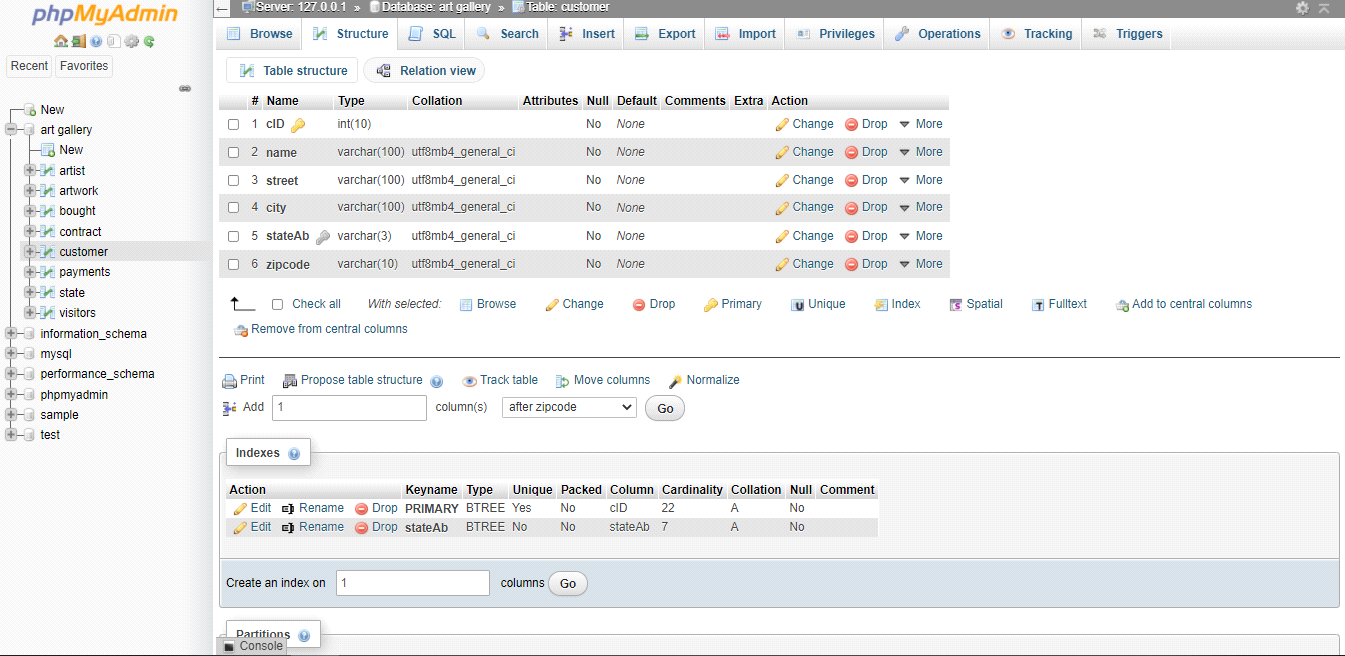
zipcode varchar(10) NOT NULL,

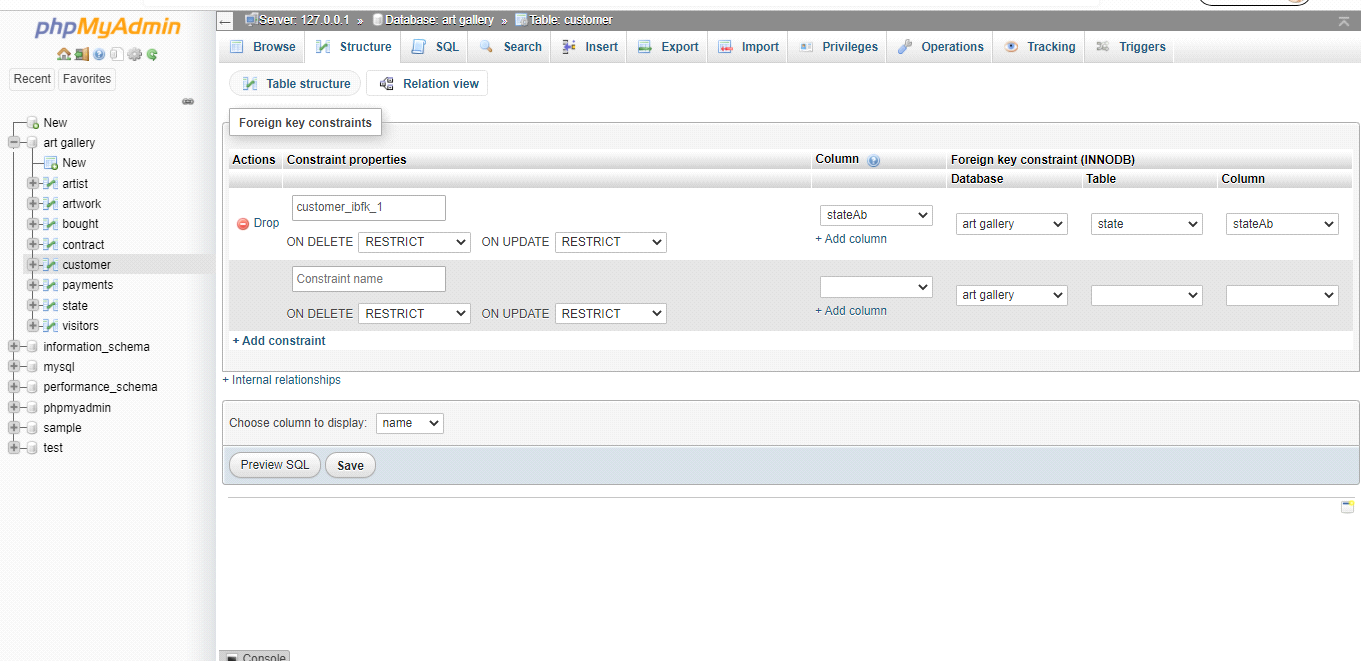
PRIMARY KEY (cID),

FOREIGN KEY (stateAb) REFERENCES state(stateAb)

);

**Output:**





* **BOUGHT**

**Query:** CREATE TABLE bought (

artID INT(10) NOT NULL,

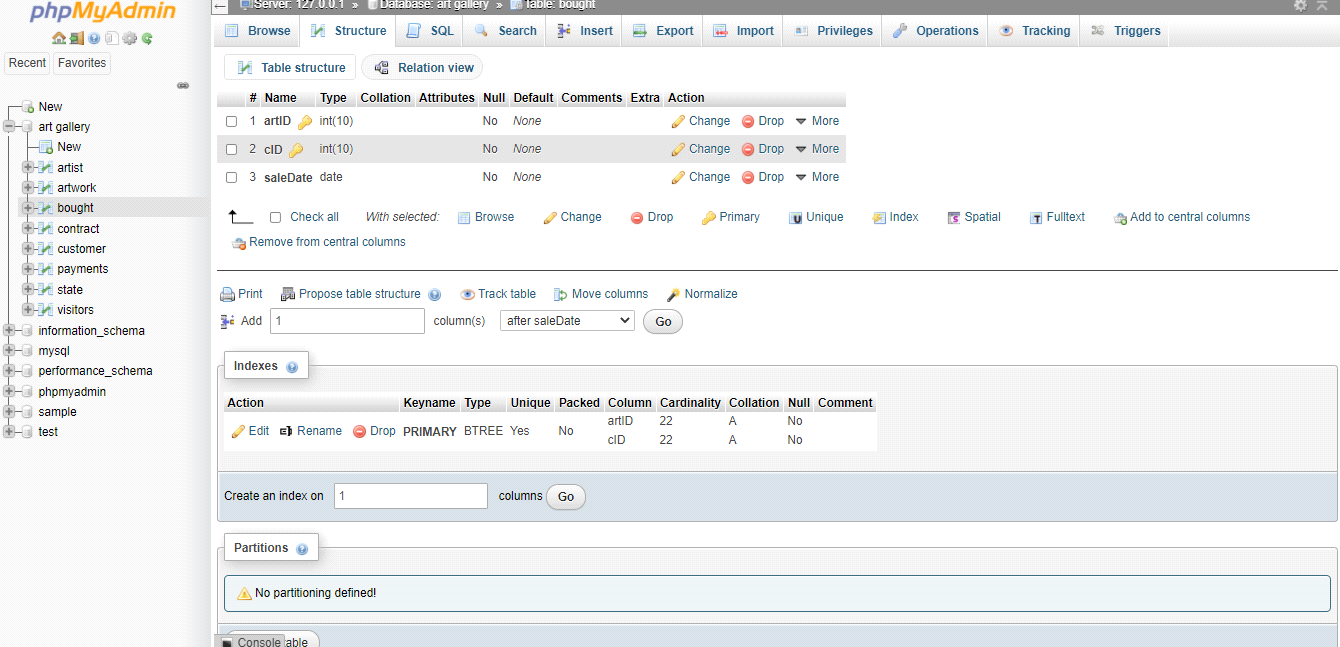
cID INT(10) NOT NULL,

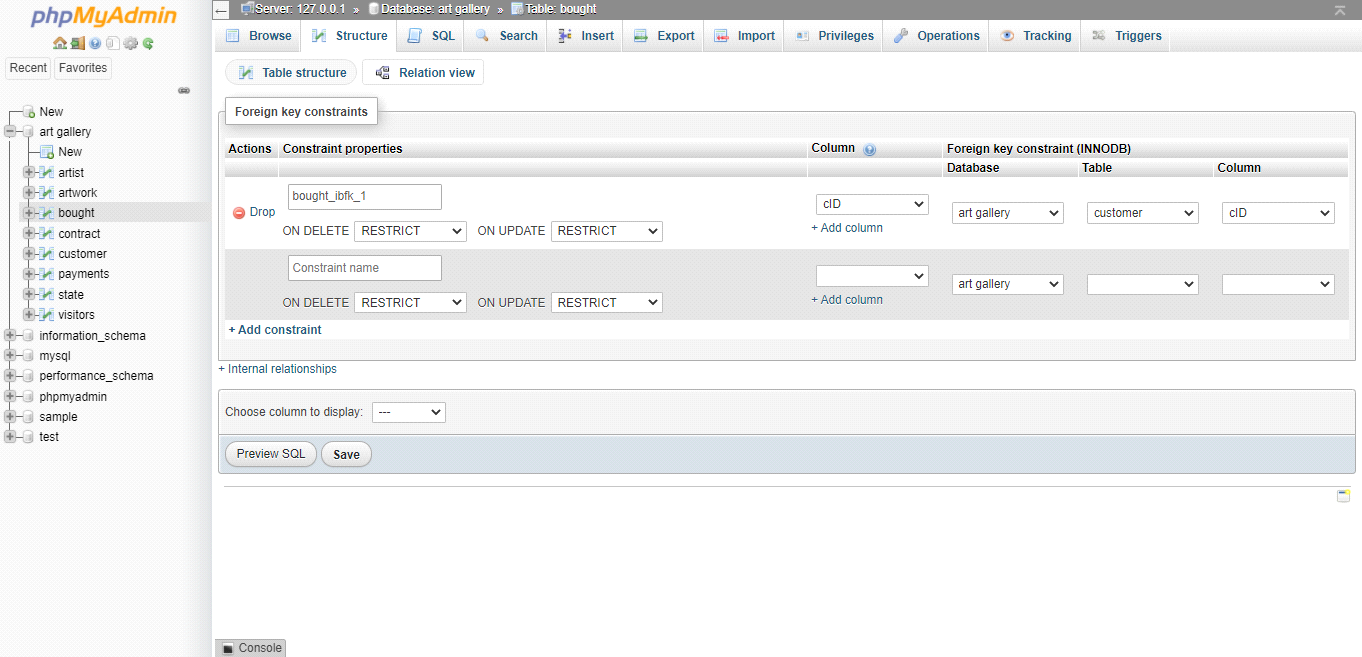
saleDate DATE NOT NULL,

PRIMARY KEY (artID, cID)

);

**Output:**





* **STATE**

**Query:** CREATE TABLE state (

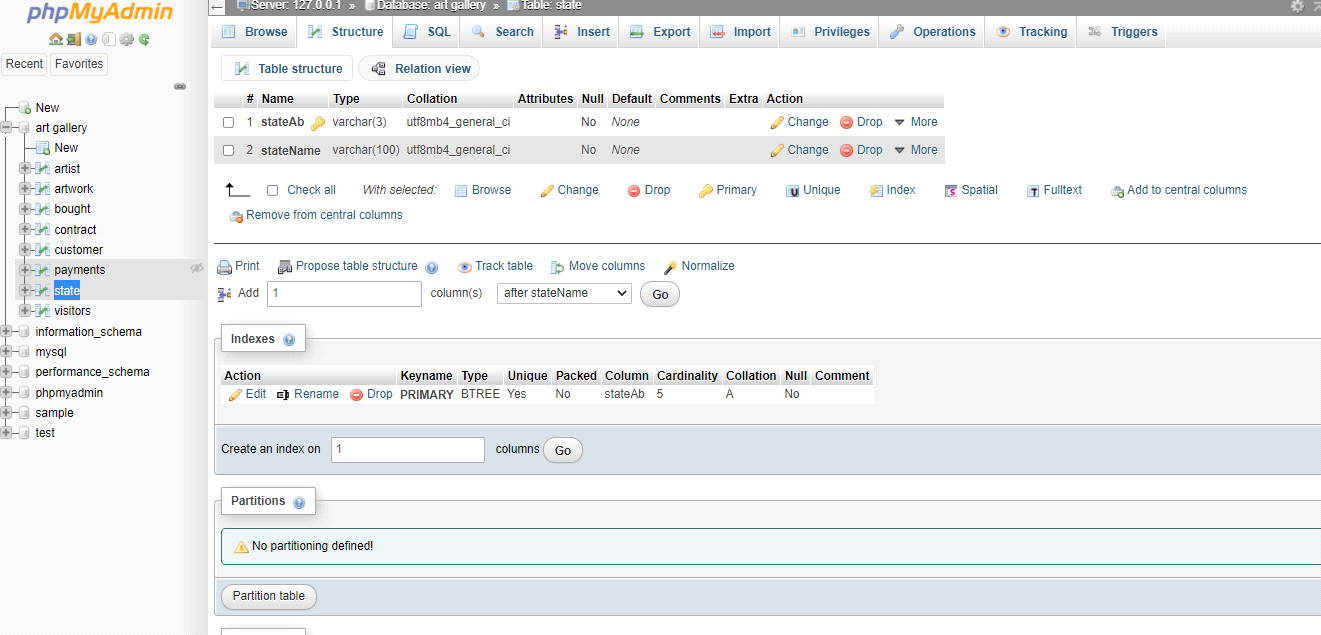
stateAb varchar(3) NOT NULL,

stateName varchar(100) NOT NULL,

PRIMARY KEY (stateAb)

);

**Output:**



* **PAYMENTS**

**Query:** CREATE TABLE payments (

pID INT(10) NOT NULL,

artID INT(10) NOT NULL,

upfrontDate DATE NOT NULL,

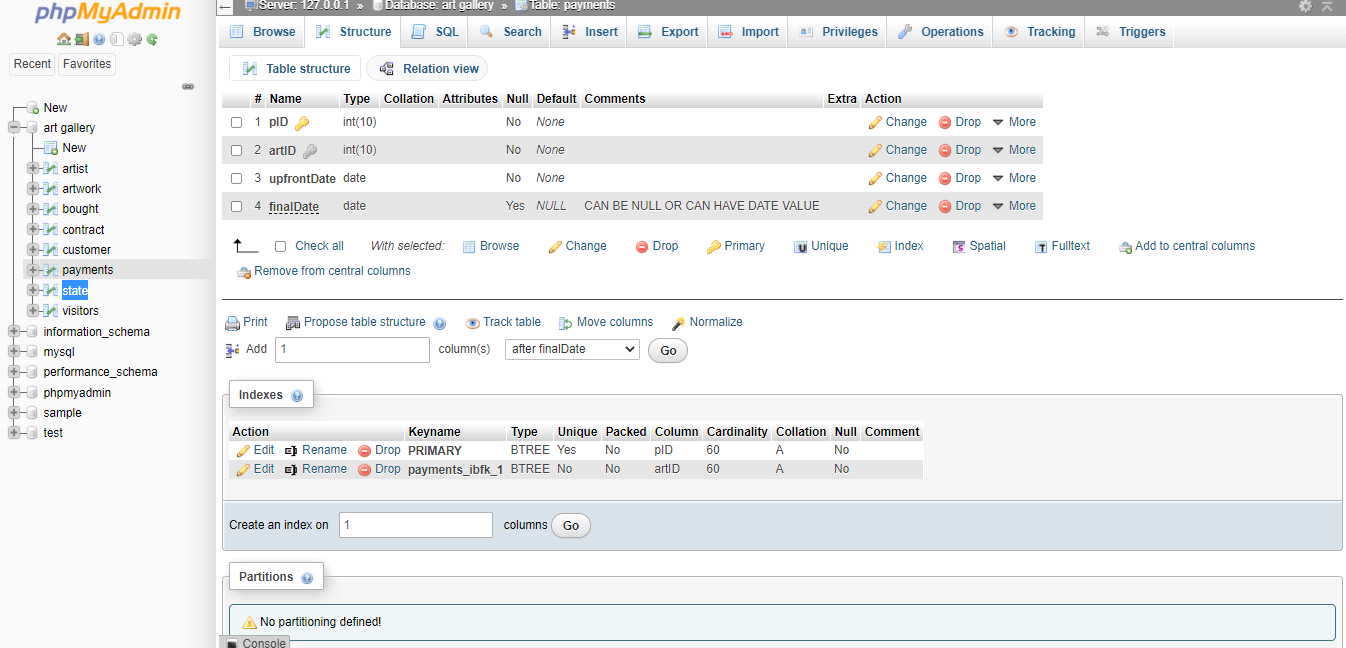
finalDate DATE,

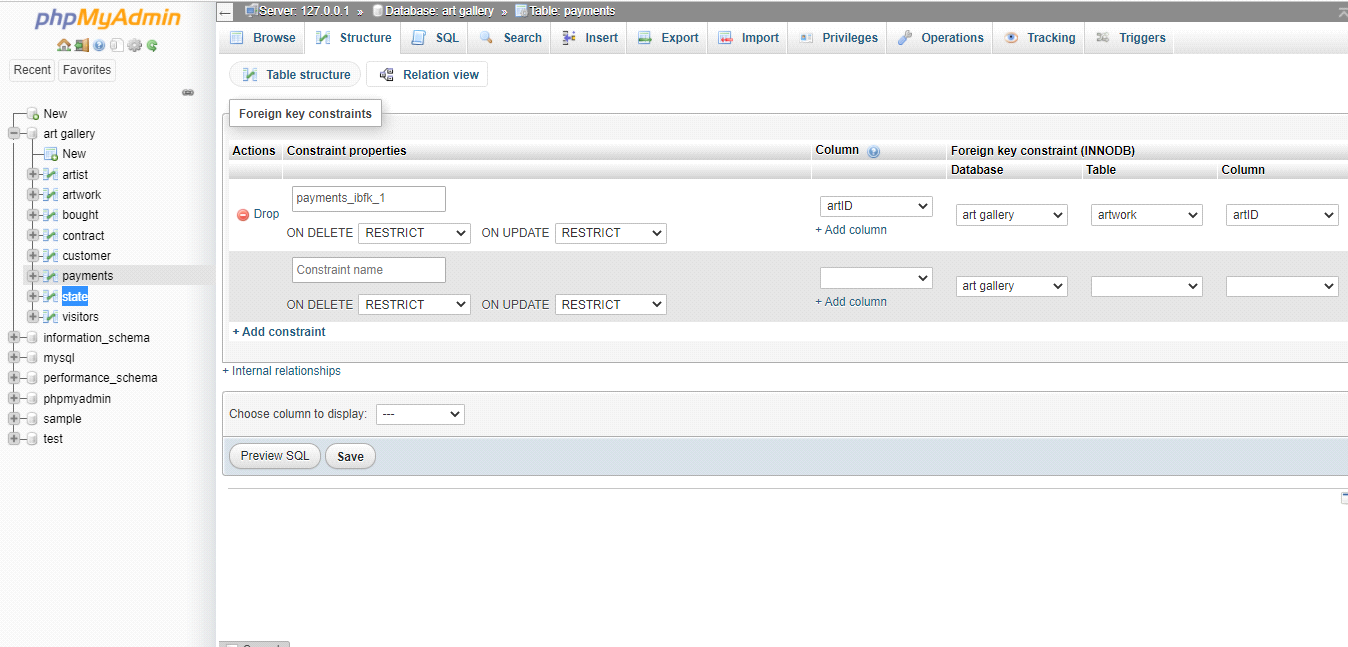
PRIMARY KEY (PID),

FOREIGN KEY (artID) REFERENCES artwork(artID)

);

**Output:**





* **VISITORS**

**Query:** CREATE TABLE visitors (

visitorDate DATE,

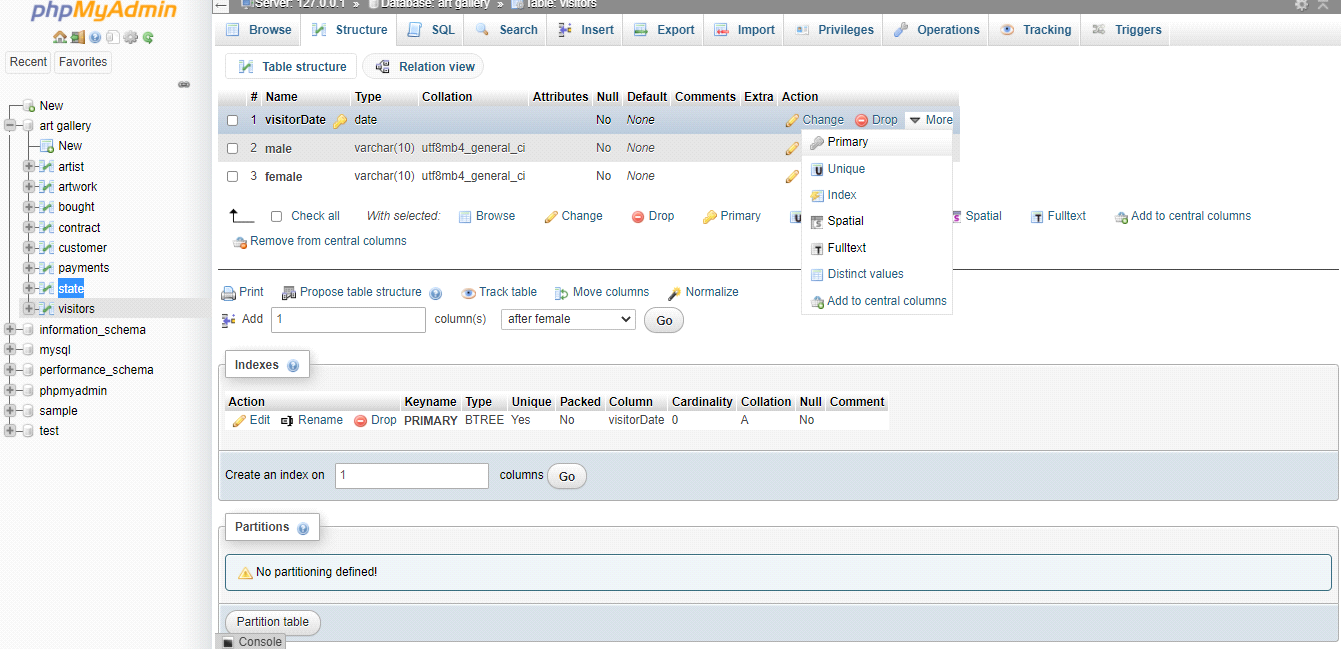
male varchar(10) NOT NULL,

female varchar(10) NOT NULL,

PRIMARY KEY (visitorDate)

);

**Output:**

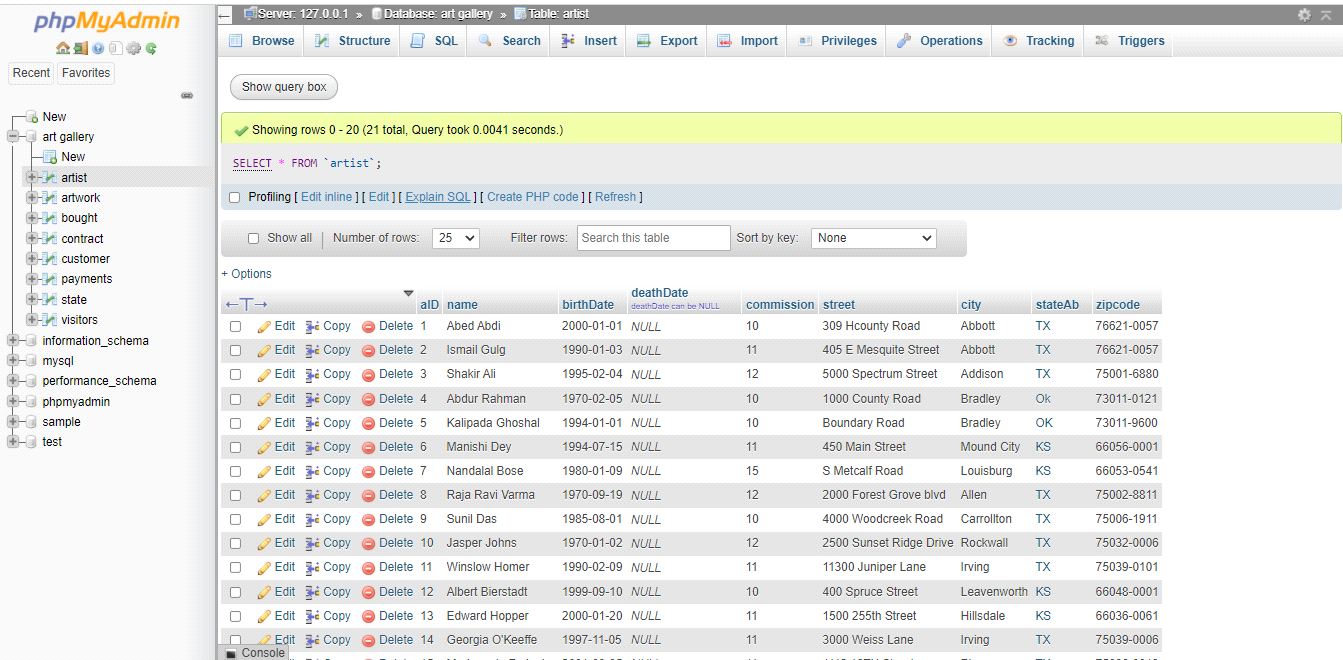


**EXECUTION OF SELECT STATEMENTS**

* **ARTIST**

**Query:** SELECT \* FROM `artist` ;

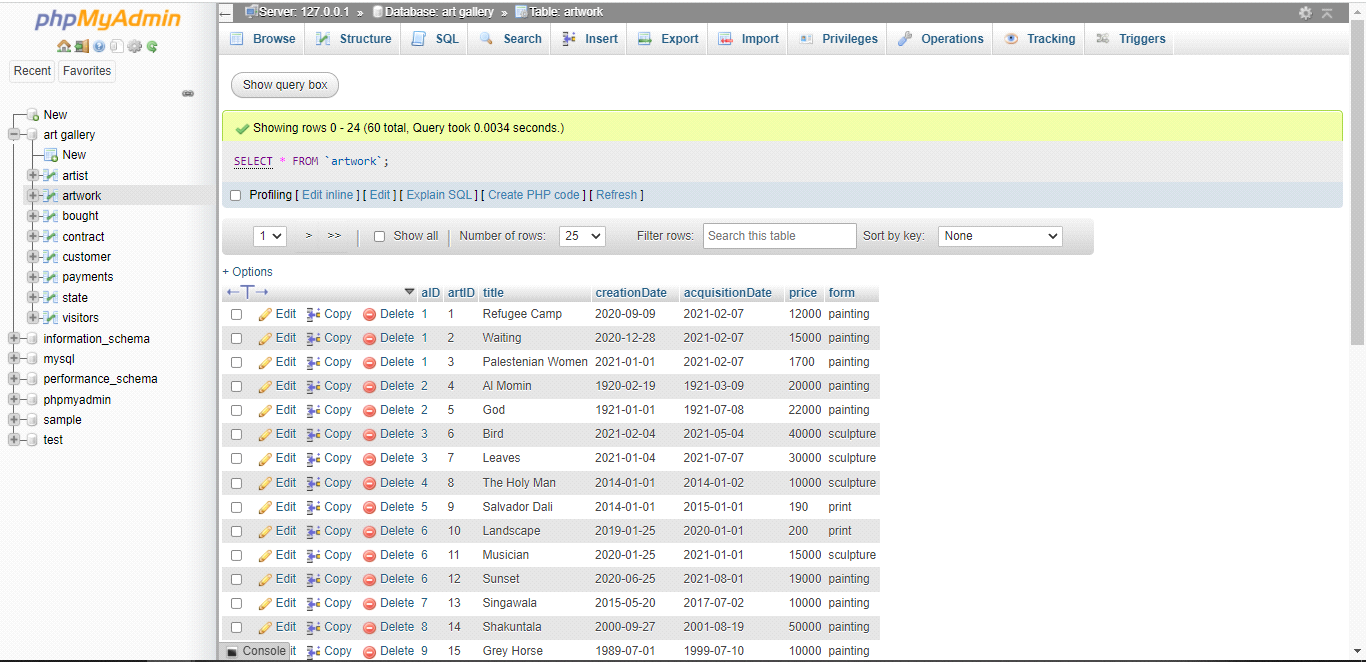
**Output:**



* **ARTWORK**

**Query:** Select \* from 'artwork' ;

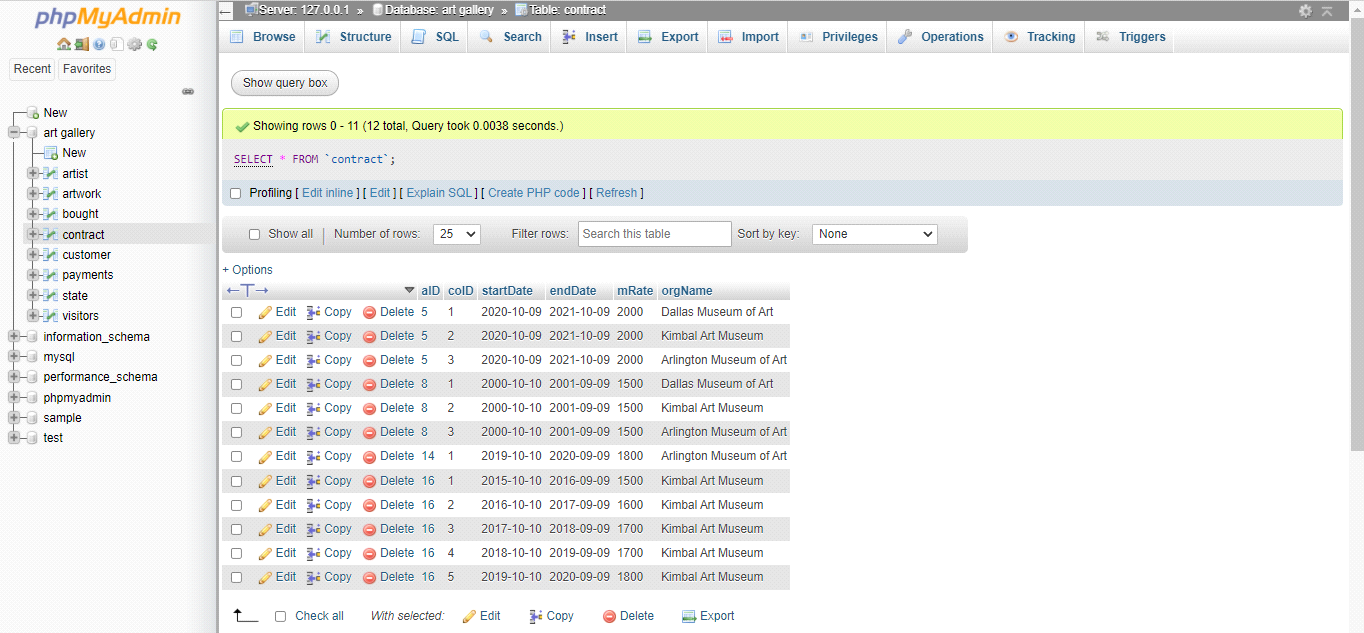
**Output:**



* **CONTRACT**

**Query:** Select \* from 'contract' ;

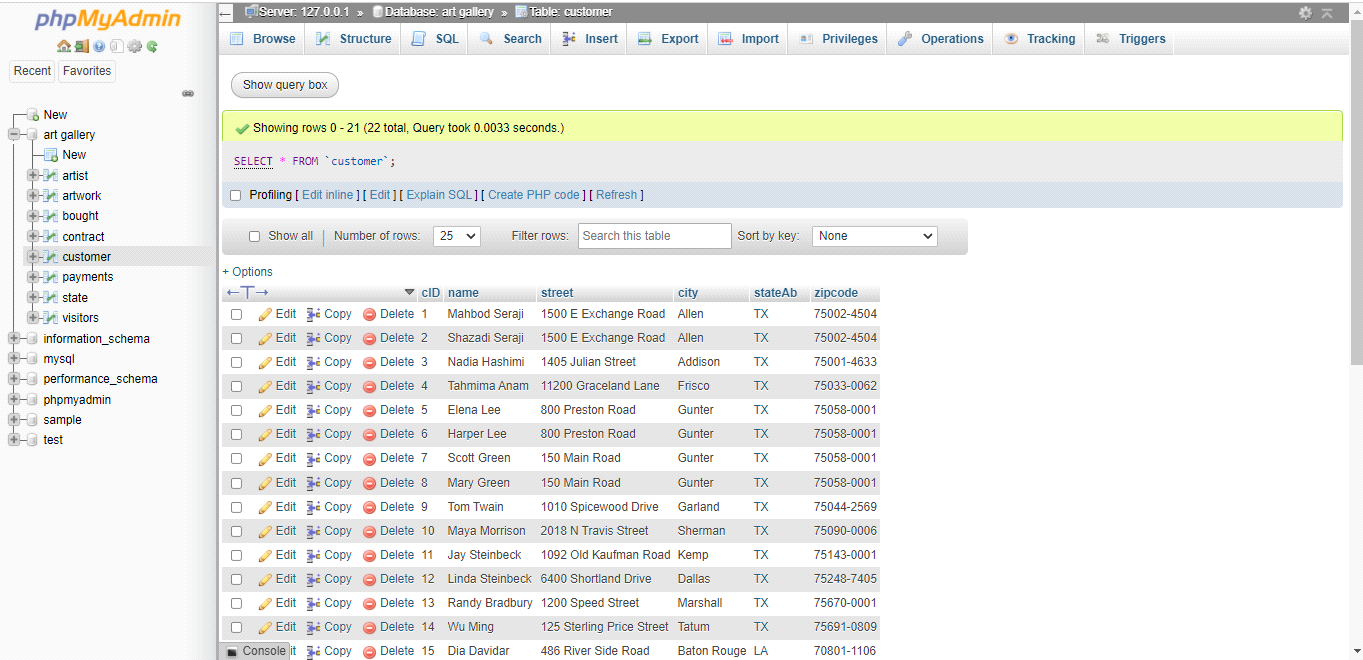
**Output:**



* **CUSTOMER**

**Query:** Select \* from 'customer' ;

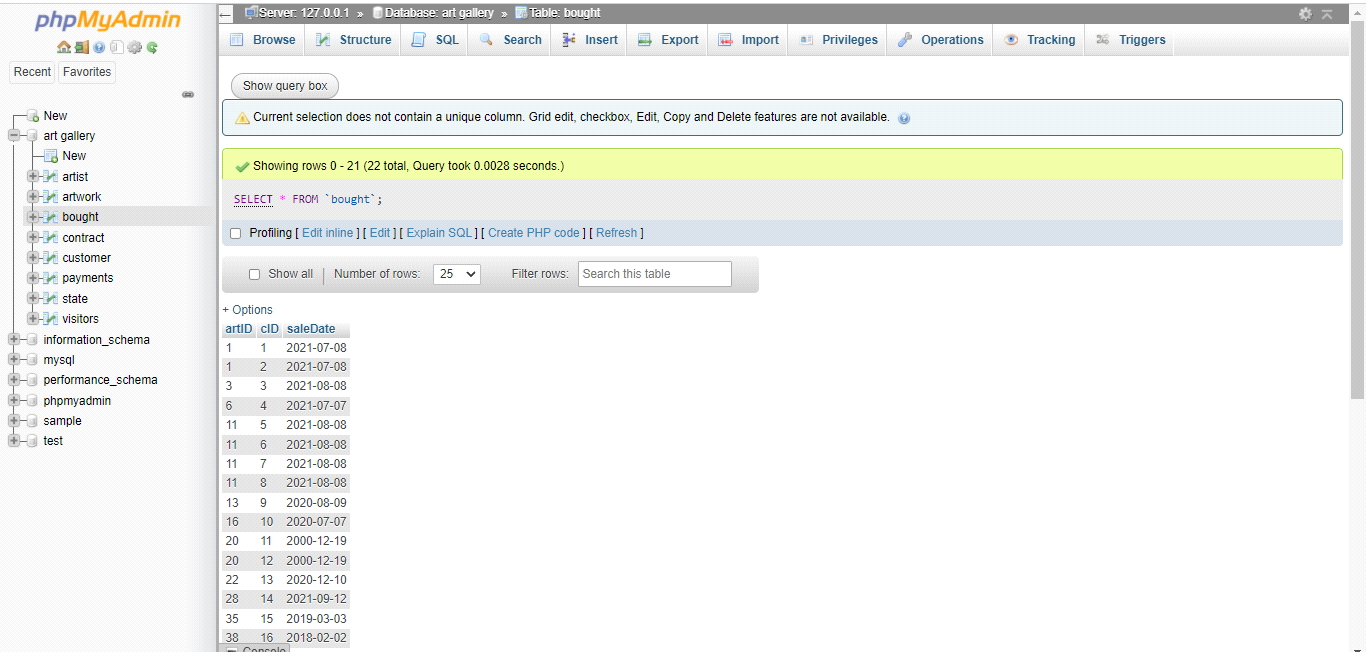
**Output:**



* **BOUGHT**

**Query:** Select \* from 'bought' ;

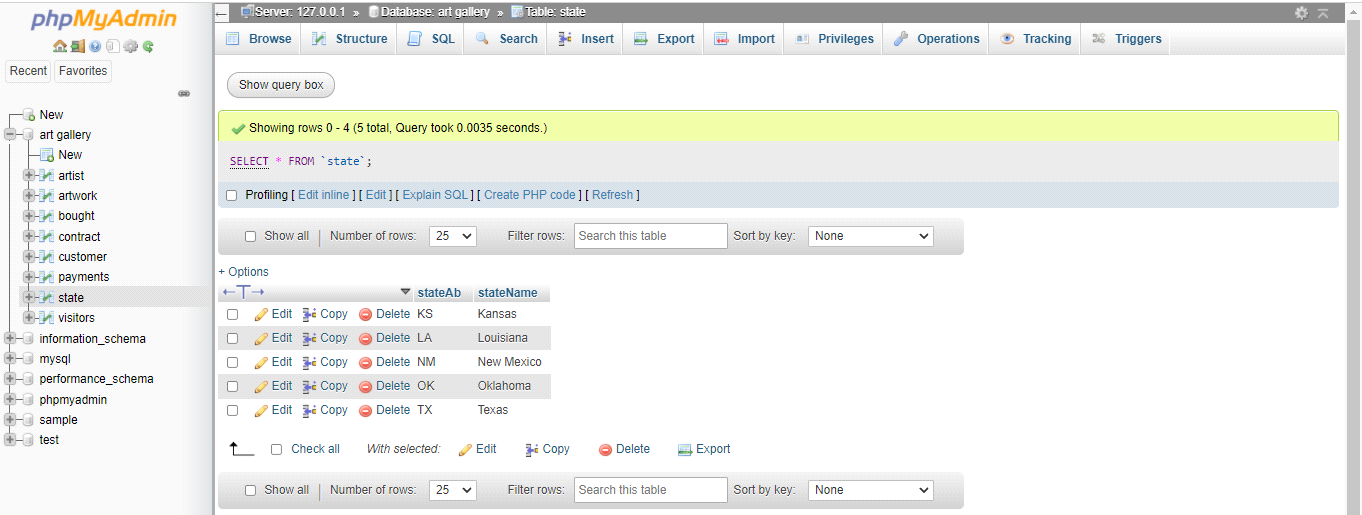
**Output:**



* **STATE**

**Query:** Select \* from 'state' ;

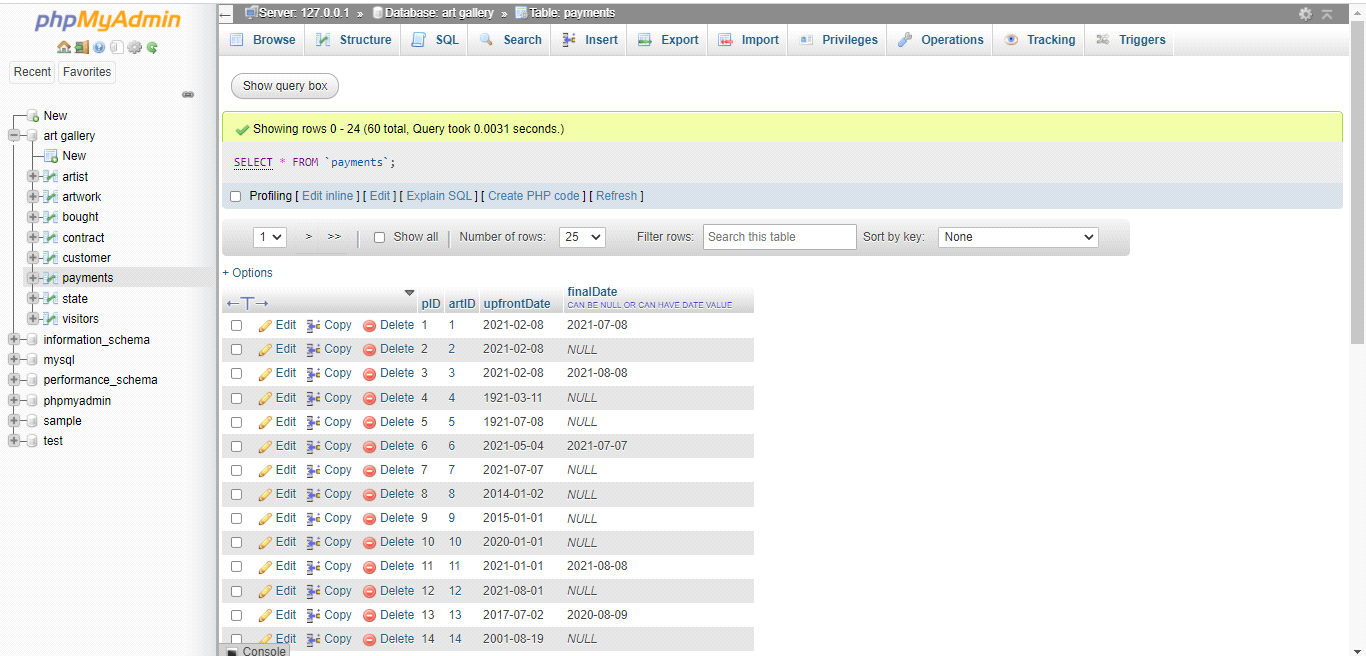
**Output**



* **PAYMENTS**

**Query:** Select \* from 'payments' ;

**Output**



***DIAGRAMATIC REPRESENTATION OF THE TABLES CREATED***

![Diagram

Description automatically generated with medium confidence](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDgRXhpZgAATU0AKgAAAAgABAE7AAIAAAAHAAAISodpAAQAAAABAAAIUpydAAEAAAAOAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFubnUgIQAAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzEzAACSkgACAAAAAzEzAADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIxOjEwOjI2IDE0OjEyOjAyADIwMjE6MTA6MjYgMTQ6MTI6MDIAAABBAG4AbgB1ACAAIQAAAP/hCxlodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTEwLTI2VDE0OjEyOjAyLjEyODwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Bbm51ICE8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCjAVCAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ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***PART 2***

1. **QUERY**:

SELECT `name`,`street`, `city`, `stateAb`, `zipcode` FROM `artist` WHERE name NOT LIKE '% A%' and name NOT LIKE '% E%' and name NOT LIKE '% I%' and name NOT LIKE '% O%' and name NOT LIKE '% U%' and name NOT LIKE '% a%' and name NOT LIKE '% e%' and name NOT LIKE '% i%'and name NOT LIKE '% o%' and name NOT LIKE '% u%' and name not LIKE'% % A%' and name not LIKE'% % E%' and name not LIKE'% % I%' and name not LIKE'% % O%' and name not LIKE'% % U%' and name not LIKE'% % a%' and name not LIKE'% % e%' and name not LIKE'% % i%'and name not LIKE'% % o%' and name not LIKE'% % u%';

**OUTPUT**:

Graphical user interface, application

Description automatically generated

1. **QUERY**:

SELECT name as Name, title as Title, price as Price FROM artwork a1 INNER JOIN artist a2 on a1.aID=a2.aID where price>30000 order by price;

**OUTPUT**:

Graphical user interface, text, application, email

Description automatically generated

1. **QUERY**:

SELECT `title` as Title, `price` as Price, name as Name FROM `artwork` art1 inner join artist art2 on art1.aID=art2.aID ORDER by price DESC LIMIT 15;

**OUTPUT**:

Graphical user interface, text, application, email

Description automatically generated

1. **QUERY**:

select \* from (SELECT DISTINCT `name` as Name,`title` as Title, concat('$', FORMAT(price, 2)) as Price, DATEDIFF(saleDate,acquisitionDate) as Days FROM `artwork` art1 INNER JOIN artist art2 on art1.aID=art2.aID inner join bought b on b.artID=art1.artID order by days LIMIT 5) as ans1 order by ans1.days DESC;

**OUTPUT**:

Graphical user interface, text, application, email

Description automatically generated

1. **QUERY**:

SELECT name as Name,title as Title, concat('$', FORMAT(price, 2)) as Price from artwork art1 inner join artist art2 on art1.aID=art2.aID inner join state s on art2.stateAb= s.stateAb where price between 10000 and 12000 and s.stateName='Texas' order by name, price

**OUTPUT**:

Graphical user interface, text, application, email

Description automatically generated

1. **QUERY**:

SELECT s.stateName as stateName, name as Name, count(artID) as Count from artist art1 inner join state s on art1.stateAb=s.stateAb inner join artwork art2 where art1.aID=art2.aID and s.stateName not like 'Oklahoma' group by art1.aID order by stateName, Count;

**OUTPUT**

Graphical user interface, text, application

Description automatically generated

1. **QUERY**:

SELECT concat('$', FORMAT(SUM(price), 2)) as Sum,concat('$', FORMAT(AVG(price), 2)) as Avg,concat('$', FORMAT(MAX(price), 2)) as Max, concat('$', FORMAT(MIN(price), 2)) as Min FROM artwork a1 inner join artist a2 on a1.aID=a2.aID INNER JOIN state s1 on a2.stateAb=s1.stateAb where stateName = 'Texas';

**OUTPUT**:

Graphical user interface, text, application, email

Description automatically generated

1. 8a. **QUERY**:

SELECT concat('$', FORMAT(AVG(price), 2)) as Average ,concat('$', FORMAT(MAX(price), 2)) as Max,concat('$', FORMAT(MIN(price), 2)) as Min FROM `artwork`where acquisitionDate like '\_\_\_\_\_01%';

**OUTPUT**:

Graphical user interface, text, application

Description automatically generated

8b. **QUERY**

select concat('$', FORMAT(price, 2)) as price , acquisitionDate from artwork where

acquisitionDate like '\_\_\_\_\_01%';

This query is used to verify that the result got in query 1 is correct. We have to get the Avg, Max, Min for the month of jan. In this, I have fetched the price and date alone and We can check the max min and avg manually and get to know that the output obtained in 1 is right.

**OUTPUT**:

Graphical user interface, text, application, email

Description automatically generated

1. **QUERY**:

SELECT (select title from artwork where price=max(art1.price)) as MaxTitle , concat('$', FORMAT(MAX(price), 2)) as MaxPrice , (select form from artwork where price=max(art1.price)) as MaxForm, (select title from artwork where price=min(art2.price)) as MinTitle, concat('$', FORMAT(MIN(price), 2)) as MinPrice, (select form from artwork where price=min(art2.price)) as MinForm from artwork art1 NATURAL JOIN artwork art2;

**OUTPUT**:

Graphical user interface, text, application, email

Description automatically generated

1. **QUERY**:

SELECT title, price from Artwork where price IN ( select MAX(price) from Artwork)

UNION

SELECT title, price from Artwork where price IN ( select MIN(price) from Artwork);

**OUTPUT**:

Graphical user interface, text, application, chat or text message

Description automatically generated

1. **QUERY**:

SELECT name,stateAb,title FROM customer cus join bought b on b.cID = cus.cID join artwork art on art.artID = b.artID where b.artID in(select b.artID from bought b group by b.artID having count(\*)>=2);

**OUTPUT**:

Graphical user interface, text, application

Description automatically generated

1. **QUERY**:

select form,price, name, title from artwork art1 inner join payments pay on art1.artID=pay.artID inner join artist art2 on art1.aID=art2.aID where pay.finalDate is NOT NULL order by form, price;

**OUTPUT**:

Graphical user interface, text, application

Description automatically generated

1. **QUERY**:

select name, count(\*) as 'No of Unsold Art Pieces' from artwork art1 inner join payments pay on art1.artID=pay.artID inner join artist art2 on art1.aID=art2.aID where pay.finalDate is NULL group by name having COUNT(\*)>0;

**OUTPUT**:

Graphical user interface, text, application, email

Description automatically generated

1. **QUERY**: delete from artist where aID='1'

**OUTPUT**:

A picture containing graphical user interface

Description automatically generated

1. a. **QUERY**:

INSERT INTO `artist`(`aID`, `name`, `birthDate`, `deathDate`, `commission`, `street`, `city`, `stateAb`, `zipcode`) VALUES ('1','Swetha C','2020-11-02',NULL,'4','summit ave','arlington','TX','76013')

**OUTPUT**:

Graphical user interface, application

Description automatically generated

b. **QUERY**:

INSERT INTO `artist`(`aID`, `name`, `birthDate`, `deathDate`, `commission`, `street`, `city`, `stateAb`, `zipcode`) VALUES (NULL,'Swetha C','2020-11-02','NULL','4','summit ave','arlington','TX','76013')

**OUTPUT**:

Graphical user interface

Description automatically generated with medium confidence

c. **QUERY**: DELETE FROM `artist` WHERE aID=1

**OUTPUT**:

A picture containing rectangle

Description automatically generated

1. **QUERY**: UPDATE `artist` SET `aID`='10' where aID='1'

**OUTPUT**:

A picture containing text

Description automatically generated