

20MCA134-ADVANCED DBMS LAB

EXPERIMENTS

SUBMITTED BY,

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R MCA-2020-S2

ROLL NO : 42

SUBMITTED TO,

LISHA MISS

Experiment No: 1 Date: 03/05/2021

Aim:

Create the following Tables

DEPOSIT

ACTNO VARCHAR2(5) PRIMARY KEY , FIRST LETTER MUST START WITH 'D'

CNAME VARCHAR2(15) FOREIGN KEY REFERENCES CUSTOMER

BNAME VARCHAR2(20) FOREIGN KEY REFERENCES BRANCH

AMOUNT NUMBER(8,2) NOT NULL, CANNOT BE 0

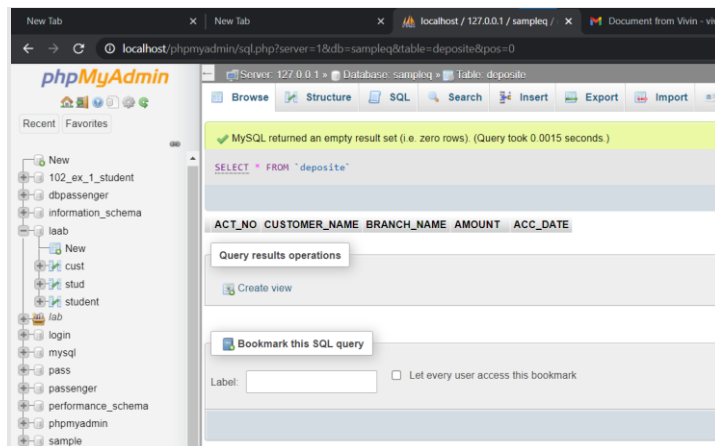
ADATE DATE

QUERY

```
CREATE TABLE DEPOSITE (ACT_NO varchar(5) CHECK (ACT_NO LIKE 'D%'), PRIMARY KEY (ACT_NO), CUSTOMER_NAME varchar(15), FOREIGN KEY (CUSTOMER_NAME) REFERENCES customer (CUSTOMER_NAME), BRANCH_NAME varchar(20), FOREIGN KEY (BRANCH_NAME) REFERENCES branch (BRANCH_NAME), AMOUNT float(8,2) NOT NULL CHECK (AMOUNT > 0), ACC_DATE date)

SELECT * FROM 'deposit'
```

OUTPUT



BRANCH

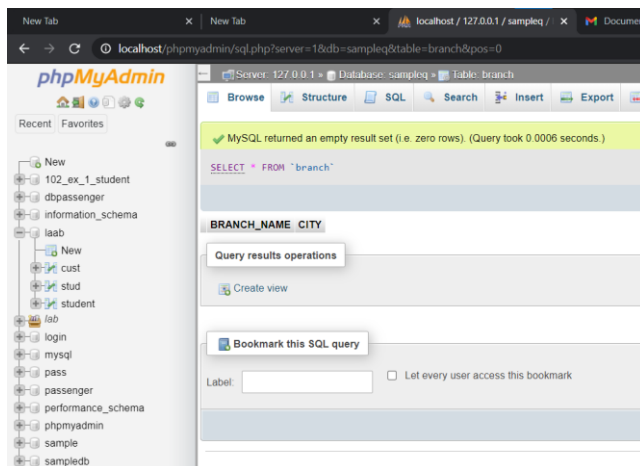
BNAME VARCHAR2(20) PRIMARY KEY

CITY VARCHAR2(30) NOT NULL , any one of NAGPUR, DELHI, BANGALORE, BOMBAY

QUERY

```
CREATE TABLE branch (BRANCH_NAME varchar(20) PRIMARY KEY, CITY varchar(30) NOT NULL CHECK (CITY IN ('NAGPUR', 'DELHI', 'BANGALORE', 'BOMBAY')))  
SELECT * FROM 'branch'
```

OUTPUT



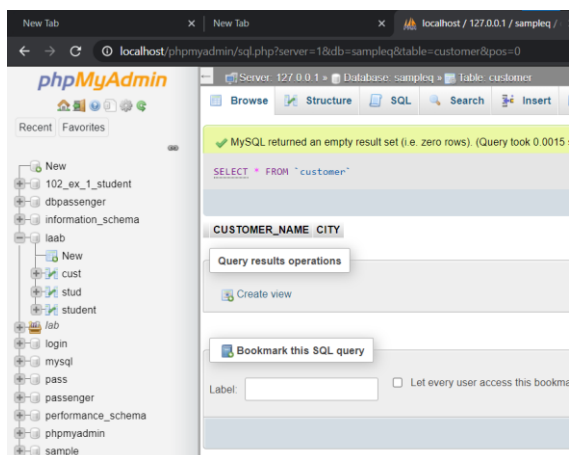
CUSTOMER

CNAME VARCHAR2(15) PRIMARY KEY
CITY VARCHAR2(20) NOT NULL,

QUERY

```
CREATE TABLE CUSTOMER (CUSTOMER_NAME varchar(20) PRIMARY KEY, CITY varchar(30) NOT NULL)  
SELECT * FROM 'customer'
```

OUTPUT



BORROW

LOANNO VARCHAR2(8) PRIMARY KEY / FIRST LETTER MUST START WITH 'L'

CNAME VARCHAR2(15) FOREIGN KEY REFERENCES CUSTOMER

BNAME VARCHAR2(20) FOREIGN KEY REFERENCES BRANCH

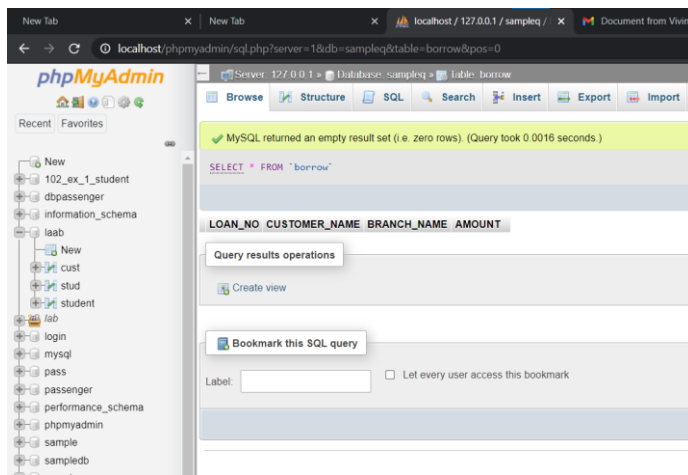
AMOUNT NUMBER(8,2) NOT NULL, CANNOT BE 0

QUERY

```
CREATE TABLE BORROW (LOAN_NO varchar(8) CHECK (LOAN_NO LIKE 'L%'), PRIMARY KEY (LOAN_NO), CUSTOMER_NAME varchar(15), FOREIGN KEY (CUSTOMER_NAME) REFERENCES customer (CUSTOMER_NAME), BRANCH_NAME varchar(20), FOREIGN KEY (BRANCH_NAME) REFERENCES branch (BRANCH_NAME), AMOUNT float(8,2) NOT NULL CHECK (AMOUNT > 0))
```

```
SELECT * FROM borrow
```

OUTPUT



INSERTION OF VALUES

1. Inserting values to Branch

VRCE NAGPUR

AJNI NAGPUR

KAROLBAGH DELHI

CHANDNI DELHI

DHARAMPETH NAGPUR

MG ROAD BANGALORE

ANDHERI BOMBAY

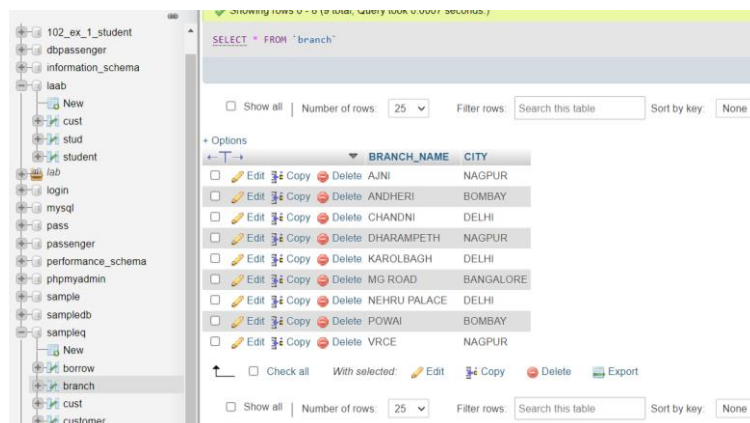
NEHRU PALACE DELHI

POWAI BOMBAY

QUERY

```
INSERT INTO branch VALUES('VRCE','NAGPUR');  
INSERT INTO branch VALUES('AJNI','NAGPUR');  
INSERT INTO branch VALUES('KAROLBAGH','DELHI');  
INSERT INTO branch VALUES('CHANDNI','DELHI');  
INSERT INTO branch VALUES('DHARAMPETH','NAGPUR');  
INSERT INTO branch VALUES('MG ROAD','BANGALORE');  
INSERT INTO branch VALUES('ANDHERI','BOMBAY');  
INSERT INTO branch VALUES('NEHRU PALACE','DELHI');  
INSERT INTO branch VALUES('POWAI','BOMBAY');  
SELECT * FROM 'branch'
```

OUTPUT



The screenshot shows a database management interface with a tree view on the left and a table view on the right. The tree view shows a database named '102_ex_1_student' with several schemas, including 'information_schema', 'laab', 'cust', 'stud', 'student', 'tab', 'login', 'mysql', 'pass', 'passenger', 'performance_schema', 'phpmyadmin', 'sample', 'sampledb', 'sampleq', 'borrow', 'branch', 'cust', and 'customer'. The 'branch' table is selected in the tree view. The table view on the right shows the 'branch' table with 8 rows of data. The columns are 'BRANCH_NAME' and 'CITY'. The data is as follows:

BRANCH_NAME	CITY
AJNI	NAGPUR
ANDHERI	BOMBAY
CHANDNI	DELHI
DHARAMPETH	NAGPUR
KAROLBAGH	DELHI
MG ROAD	BANGALORE
NEHRU PALACE	DELHI
POWAI	BOMBAY
VRCE	NAGPUR

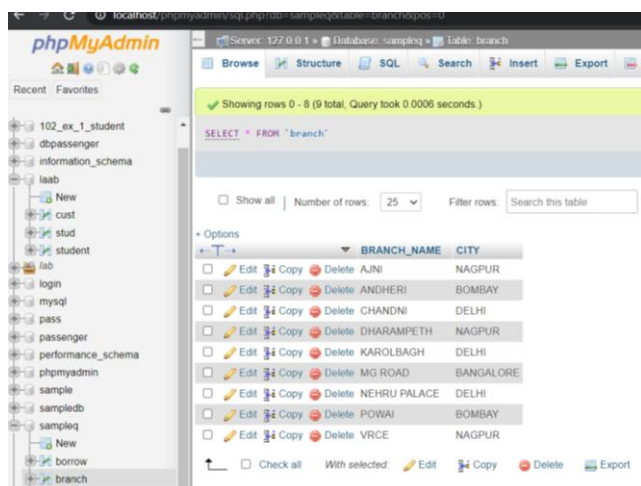
2. Inserting values into Customer table

```
ANIL    CALCUTTA  
SUNIL   DELHI  
MEHUL   BARODA  
MANDAR   PATNA  
MADHURI  NAGPUR  
PRAMOD   NAGPUR  
SANDIP   SURAT  
SHIVANI   BOMBAY  
KRANTI   BOMBAY  
NAREN    BOMBAY
```

QUERY

```
INSERT INTO customer VALUES('ANIL','CALCUTTA');  
INSERT INTO customer VALUES('SUNIL','DELHI');  
INSERT INTO customer VALUES('MEHUL','BARODA');  
INSERT INTO customer VALUES('MANDAR','PATNA');  
INSERT INTO customer VALUES('MADHURI','NAGPUR');  
INSERT INTO customer VALUES('PRAMOD','NAGPUR');  
INSERT INTO customer VALUES('SANDIP','SURAT');  
INSERT INTO customer VALUES('SHIVANI','BOMBAY');  
INSERT INTO customer VALUES('KRANTI','BOMBAY');  
INSERT INTO customer VALUES('NAREN','BOMBAY');  
SELECT * FROM 'customer'
```

OUTPUT



3. Inserting values into Deposit table

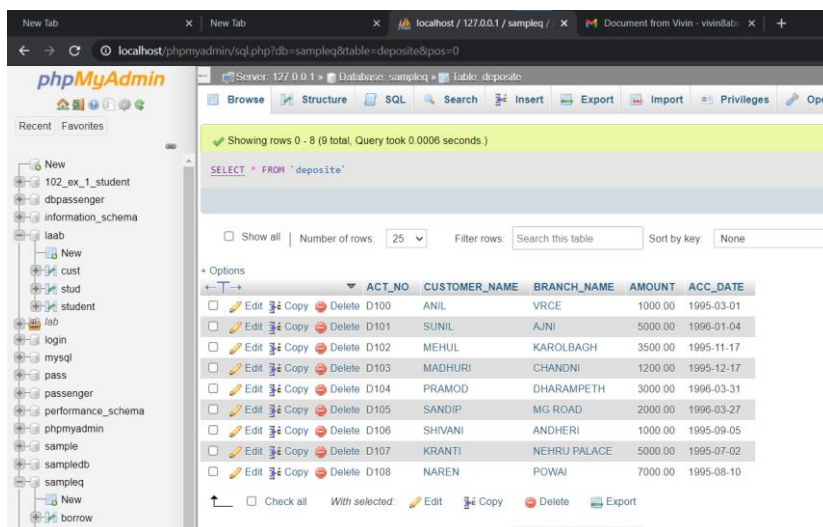
DEPOSITE

Actno	Cname	Bname	Amount	Adate
D100	ANIL	VRCE	1000.00	1-MAR-95
D101	SUNIL	ANJNI	500.00	4-JAN-96
D102	MEHUL	KAROLBAGH	3500.00	17-NOV-95
D104	MADHURI	CHANDNI	1200.00	17-DEC-95
D105	PRAMOD	MG ROAD	3000.00	27-MAR-96
D106	SANDIP	ANDHERI	2000.00	31-MAR-96
D107	SHIVANI	VIRAR	1000.00	5-SEP-95
D108	KRANTI	NEHRU PLACE	5000.00	2-JUL-95
D109	MINU	POWAI	7000.00	10-AUG-95

QUERY

```
INSERT INTO deposit VALUES('D100','ANIL','VRCE',1000,'1995-03-01');  
INSERT INTO deposit VALUES('D101','SUNIL','AJNI',5000,'1996-01-04');  
INSERT INTO deposit VALUES('D102','MEHUL','KAROLBAGH',3500,'1995-11-17');  
INSERT INTO deposit VALUES('D103','MADHURI','CHANDNI',1200,'1995-12-17');  
INSERT INTO deposit VALUES('D104','PRAMOD','DHARAMPETH',3000,'1996-03-31');  
INSERT INTO deposit VALUES('D105','SANDIP','MG ROAD',2000,'1996-03-27');  
INSERT INTO deposit VALUES('D106','SHIVANI','ANDHERI',1000,'1995-09-05');  
INSERT INTO deposit VALUES('D107','KRANTI','NEHRU PALACE',5000,'1995-07-02');  
INSERT INTO deposit VALUES('D108','NAREN','POWAI',7000,'1995-08-10');  
SELECT * FROM 'deposit'
```

OUTPUT



The screenshot shows the phpMyAdmin interface with the 'deposit' table selected. The table contains 8 rows of data, which are displayed in the following table:

ACT_NO	CUSTOMER_NAME	BRANCH_NAME	AMOUNT	ACC_DATE
D100	ANIL	VRCE	1000.00	1995-03-01
D101	SUNIL	AJNI	5000.00	1996-01-04
D102	MEHUL	KAROLBAGH	3500.00	1995-11-17
D103	MADHURI	CHANDNI	1200.00	1995-12-17
D104	PRAMOD	DHARAMPETH	3000.00	1996-03-31
D105	SANDIP	MG ROAD	2000.00	1996-03-27
D106	SHIVANI	ANDHERI	1000.00	1995-09-05
D107	KRANTI	NEHRU PALACE	5000.00	1995-07-02
D108	NAREN	POWAI	7000.00	1995-08-10

4. Inserting values into borrow table

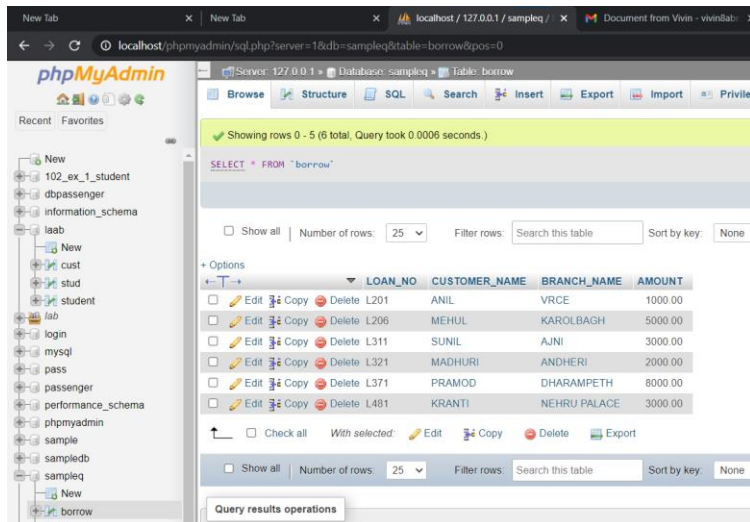
```
L201  ANIL  VRCE  1000.00  
L206  MEHUL AJNI  5000.00  
L311  SUNIL  DHARAMPETH  3000.00  
L321  MADHURI  ANDHERI  2000.00  
L371  PRAMOD  VIRAR  8000.00  
L481  KRANTI NEHRU PLACE  3000.00
```

QUERY

```
INSERT INTO borrow VALUES('L201','ANIL','VRCE',1000);  
INSERT INTO borrow VALUES('L206','MEHUL','KAROLBAGH',5000);  
INSERT INTO borrow VALUES('L311','SUNIL','AJNI',3000);
```

```
INSERT INTO borrow VALUES('L321','MADHURI','ANDHERI',2000);
INSERT INTO borrow VALUES('L371','PRAMOD','DHARAMPETH',8000);
INSERT INTO borrow VALUES('L481','KRANTI','NEHRU PALACE',3000);
SELECT * FROM 'borrow'
```

OUTPUT



Showing rows 0 - 5 (6 total, Query took 0.0006 seconds)

SELECT * FROM 'borrow'

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

LOAN_NO	CUSTOMER_NAME	BRANCH_NAME	AMOUNT
L201	ANIL	VRCE	1000.00
L206	MEHUL	KAROLBAGH	5000.00
L311	SUNIL	AJNI	3000.00
L321	MADHURI	ANDHERI	2000.00
L371	PRAMOD	DHARAMPETH	8000.00
L481	KRANTI	NEHRU PALACE	3000.00

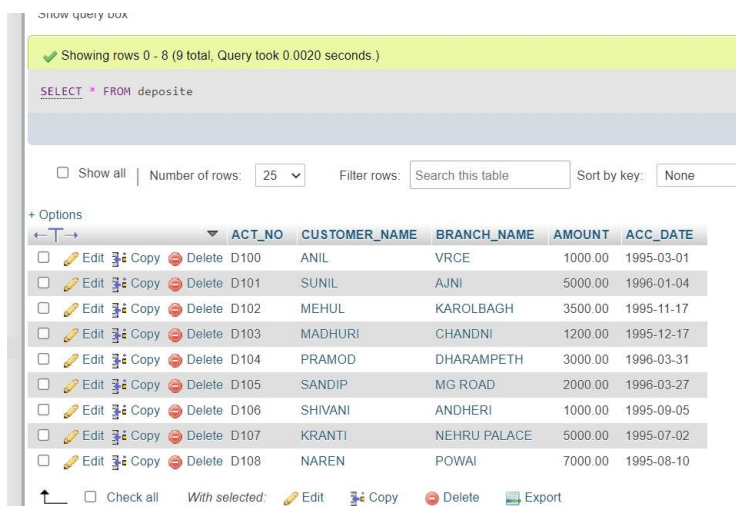
EXPERIMENT NO. 2: SELECTING DATA FROM SINGLE TABLE

1. List all data from table deposit

QUERY

```
SELECT * FROM deposit
```

OUTPUT



Showing rows 0 - 8 (9 total, Query took 0.0020 seconds)

SELECT * FROM deposit

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

ACT_NO	CUSTOMER_NAME	BRANCH_NAME	AMOUNT	ACC_DATE
D100	ANIL	VRCE	1000.00	1995-03-01
D101	SUNIL	AJNI	5000.00	1996-01-04
D102	MEHUL	KAROLBAGH	3500.00	1995-11-17
D103	MADHURI	CHANDNI	1200.00	1995-12-17
D104	PRAMOD	DHARAMPETH	3000.00	1996-03-31
D105	SANDIP	MG ROAD	2000.00	1996-03-27
D106	SHIVANI	ANDHERI	1000.00	1995-09-05
D107	KRANTI	NEHRU PALACE	5000.00	1995-07-02
D108	NAREN	POWAI	7000.00	1995-08-10

2. List all data from borrow

QUERY

```
SELECT * FROM borrow
```

OUTPUT

Show query box

Showing rows 0 - 5 (6 total, Query took 0.0018 seconds)

```
SELECT * FROM borrow
```

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

+ Options

	LOAN_NO	CUSTOMER_NAME	BRANCH_NAME	AMOUNT
<input type="checkbox"/> Edit Copy Delete	L201	ANIL	VRCE	1000.00
<input type="checkbox"/> Edit Copy Delete	L206	MEHUL	KAROLBAGH	5000.00
<input type="checkbox"/> Edit Copy Delete	L311	SUNIL	AJNI	3000.00
<input type="checkbox"/> Edit Copy Delete	L321	MADHURI	ANDHERI	2000.00
<input type="checkbox"/> Edit Copy Delete	L371	PRAMOD	DHARAMPETH	8000.00
<input type="checkbox"/> Edit Copy Delete	L481	KRANTI	NEHRU PALACE	3000.00

☐ Check all | With selected: Edit Copy Delete Export

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

3. List all data from customer

QUERY

```
SELECT * FROM customer
```

OUTPUT

Show query box

Showing rows 0 - 9 (10 total, Query took 0.0020 seconds)

```
SELECT * FROM customer
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort

+ Options

	CUSTOMER_NAME	CITY
<input type="checkbox"/> Edit Copy Delete	ANIL	CALCUTTA
<input type="checkbox"/> Edit Copy Delete	KRANTI	BOMBAY
<input type="checkbox"/> Edit Copy Delete	MADHURI	NAGPUR
<input type="checkbox"/> Edit Copy Delete	MANDAR	PATNA
<input type="checkbox"/> Edit Copy Delete	MEHUL	BARODA
<input type="checkbox"/> Edit Copy Delete	NAREN	BOMBAY
<input type="checkbox"/> Edit Copy Delete	PRAMOD	NAGPUR
<input type="checkbox"/> Edit Copy Delete	SANDIP	SURAT
<input type="checkbox"/> Edit Copy Delete	SHIVANI	BOMBAY
<input type="checkbox"/> Edit Copy Delete	SUNIL	DELHI

☐ Check all | With selected: Edit Copy Delete Export

4. List all data from branch

QUERY

```
SELECT * FROM branch
```

OUTPUT

Show query box

Showing rows 0 - 8 (9 total, Query took 0.0027 seconds.)

```
SELECT * FROM branch
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

		BRANCH_NAME	CITY
<input type="checkbox"/>	Edit Copy Delete	AJNI	NAGPUR
<input type="checkbox"/>	Edit Copy Delete	ANDHERI	BOMBAY
<input type="checkbox"/>	Edit Copy Delete	CHANDNI	DELHI
<input type="checkbox"/>	Edit Copy Delete	DHARAMPETH	NAGPUR
<input type="checkbox"/>	Edit Copy Delete	KAROLBAGH	DELHI
<input type="checkbox"/>	Edit Copy Delete	MG ROAD	BANGALORE
<input type="checkbox"/>	Edit Copy Delete	NEHRU PALACE	DELHI
<input type="checkbox"/>	Edit Copy Delete	POWAI	BOMBAY
<input type="checkbox"/>	Edit Copy Delete	VRCE	NAGPUR

5. Give account no and amount of deposit

QUERY

```
SELECT ACT_NO, AMOUNT FROM deposit
```

OUTPUT

Show query box

Showing rows 0 - 8 (9 total, Query took 0.0014 seconds.)

```
SELECT ACT_NO, AMOUNT FROM deposit
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort

+ Options

		ACT_NO	AMOUNT
<input type="checkbox"/>	Edit Copy Delete	D100	1000.00
<input type="checkbox"/>	Edit Copy Delete	D101	5000.00
<input type="checkbox"/>	Edit Copy Delete	D102	3500.00
<input type="checkbox"/>	Edit Copy Delete	D103	1200.00
<input type="checkbox"/>	Edit Copy Delete	D104	3000.00
<input type="checkbox"/>	Edit Copy Delete	D105	2000.00
<input type="checkbox"/>	Edit Copy Delete	D106	1000.00
<input type="checkbox"/>	Edit Copy Delete	D107	5000.00
<input type="checkbox"/>	Edit Copy Delete	D108	7000.00

☐ Check all | With selected: Edit Copy Delete Export

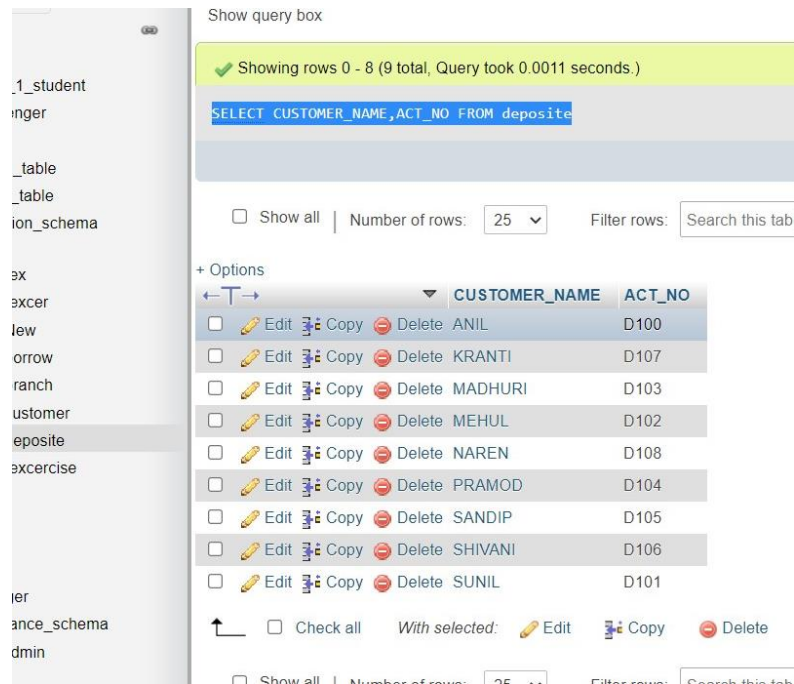
☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort

6. Give customer name and account no of depositors

QUERY

```
SELECT CUSTOMER_NAME, ACT_NO FROM deposit
```

OUTPUT



Showing rows 0 - 8 (9 total, Query took 0.0011 seconds.)

```
SELECT CUSTOMER_NAME, ACT_NO FROM deposit
```

☐ Show all | Number of rows: 25 | Filter rows: Search this tab

+ Options

	CUSTOMER_NAME	ACT_NO
<input type="checkbox"/> Edit Copy Delete	ANIL	D100
<input type="checkbox"/> Edit Copy Delete	KRANTI	D107
<input type="checkbox"/> Edit Copy Delete	MADHURI	D103
<input type="checkbox"/> Edit Copy Delete	MEHUL	D102
<input type="checkbox"/> Edit Copy Delete	NAREN	D108
<input type="checkbox"/> Edit Copy Delete	PRAMOD	D104
<input type="checkbox"/> Edit Copy Delete	SANDIP	D105
<input type="checkbox"/> Edit Copy Delete	SHIVANI	D106
<input type="checkbox"/> Edit Copy Delete	SUNIL	D101

☐ Check all | With selected: Edit Copy Delete

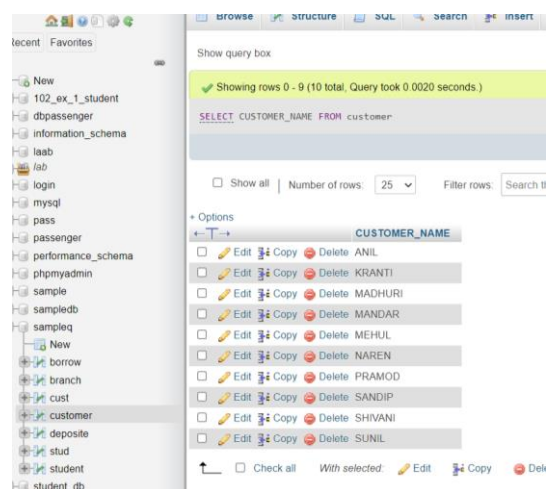
☐ Show all | Number of rows: 25 | Filter rows: Search this tab

7. Give name of customers

QUERY

```
SELECT CUSTOMER_NAME FROM customer
```

OUTPUT



Showing rows 0 - 9 (10 total, Query took 0.0020 seconds.)

```
SELECT CUSTOMER_NAME FROM customer
```

☐ Show all | Number of rows: 25 | Filter rows: Search this tab

+ Options

	CUSTOMER_NAME
<input type="checkbox"/> Edit Copy Delete	ANIL
<input type="checkbox"/> Edit Copy Delete	KRANTI
<input type="checkbox"/> Edit Copy Delete	MADHURI
<input type="checkbox"/> Edit Copy Delete	MANDAR
<input type="checkbox"/> Edit Copy Delete	MEHUL
<input type="checkbox"/> Edit Copy Delete	NAREN
<input type="checkbox"/> Edit Copy Delete	PRAMOD
<input type="checkbox"/> Edit Copy Delete	SANDIP
<input type="checkbox"/> Edit Copy Delete	SHIVANI
<input type="checkbox"/> Edit Copy Delete	SUNIL

☐ Check all | With selected: Edit Copy Delete

8. Give name of branches

QUERY

```
SELECT BRANCH_NAME FROM branch
```

OUTPUT

The screenshot shows a database interface with a query box at the top containing the SQL query: `SELECT BRANCH_NAME FROM branch`. Below the query box, a status bar indicates "Showing rows 0 - 8 (9 total, Query took 0.0021 seconds.)". The main area displays a table with one column, `BRANCH_NAME`. The table contains nine rows of data, each with a checkbox, edit, copy, and delete icons, and the branch name. The branches listed are: AJNI, ANDHERI, CHANDNI, DHARAMPETH, KAROLBAGH, MG ROAD, NEHRU PALACE, POWAI, and VRCE. At the bottom, there are controls for "Check all", "With selected:", and "Edit", "Copy", "Delete", and "Export".

	BRANCH_NAME
<input type="checkbox"/>	AJNI
<input type="checkbox"/>	ANDHERI
<input type="checkbox"/>	CHANDNI
<input type="checkbox"/>	DHARAMPETH
<input type="checkbox"/>	KAROLBAGH
<input type="checkbox"/>	MG ROAD
<input type="checkbox"/>	NEHRU PALACE
<input type="checkbox"/>	POWAI
<input type="checkbox"/>	VRCE

9. Give name of borrows

QUERY

```
SELECT CUSTOMER_NAME FROM borrow
```

OUTPUT

The screenshot shows a database interface with a query box at the top containing the SQL query: `SELECT CUSTOMER_NAME FROM borrow`. Below the query box, a status bar indicates "Showing rows 0 - 5 (6 total, Query took 0.0010 seconds.)". The main area displays a table with one column, `CUSTOMER_NAME`. The table contains six rows of data, each with a checkbox, edit, copy, and delete icons, and the customer name. The customers listed are: ANIL, KRANTI, MADHURI, MEHUL, PRAMOD, and SUNIL. At the bottom, there are controls for "Check all", "With selected:", and "Edit", "Copy", "Delete", and "Export".

	CUSTOMER_NAME
<input type="checkbox"/>	ANIL
<input type="checkbox"/>	KRANTI
<input type="checkbox"/>	MADHURI
<input type="checkbox"/>	MEHUL
<input type="checkbox"/>	PRAMOD
<input type="checkbox"/>	SUNIL

10. Give names of customer living in city Nagpur

QUERY

```
SELECT CUSTOMER_NAME FROM customer WHERE CITY='NAGPUR'
```

OUTPUT

Showing rows 0 - 1 (2 total, Query took 0.0013 seconds.)

```
SELECT CUSTOMER_NAME FROM customer WHERE CITY='NAGPUR'
```

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

+ Options

	CUSTOMER_NAME
<input type="checkbox"/> Edit Copy Delete	MADHURI
<input type="checkbox"/> Edit Copy Delete	PRAMOD

☐ Check all | With selected: Edit Copy Delete

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

Query results operations

Print Copy to clipboard Export Display chart

11. Give names of depositors having amount greater than 4000

QUERY

```
SELECT CUSTOMER_NAME FROM deposit WHERE AMOUNT>4000
```

OUTPUT

Showing rows 0 - 2 (3 total, Query took 0.0021 seconds.)

```
SELECT CUSTOMER_NAME FROM deposit WHERE AMOUNT>4000
```

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

+ Options

	CUSTOMER_NAME
<input type="checkbox"/> Edit Copy Delete	SUNIL
<input type="checkbox"/> Edit Copy Delete	KRANTI
<input type="checkbox"/> Edit Copy Delete	NAREN

☐ Check all | With selected: Edit Copy Delete

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

Query results operations

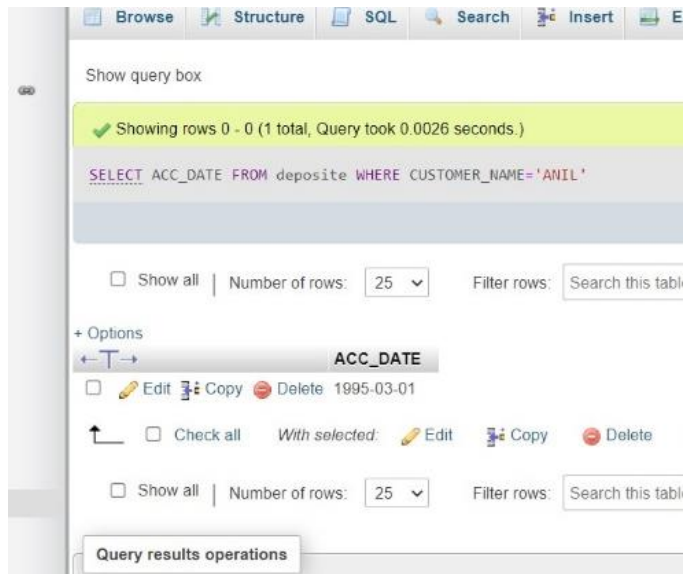
Print Copy to clipboard Export Display chart

12. Give account date of Anil

QUERY

```
SELECT ACC_DATE FROM deposit WHERE CUSTOMER_NAME='ANIL'
```

OUTPUT

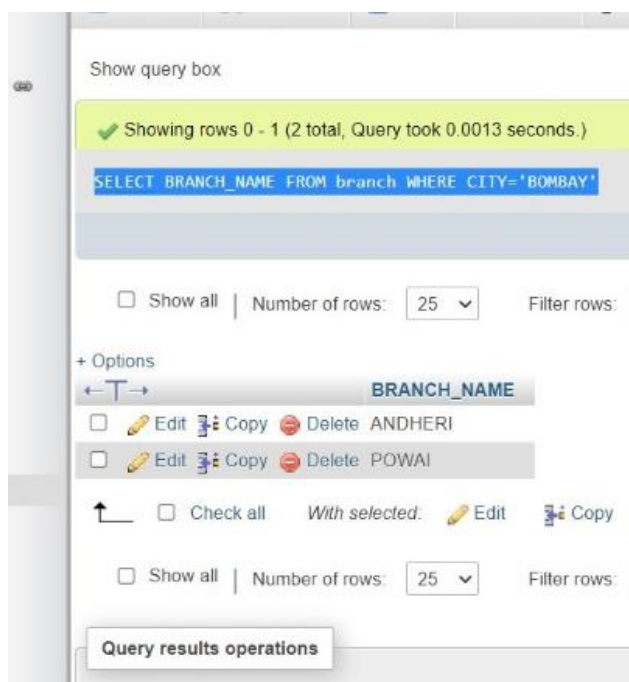


13. Give name of all branches located in Bombay

QUERY

```
SELECT BRANCH_NAME FROM branch WHERE CITY='BOMBAY'
```

OUTPUT

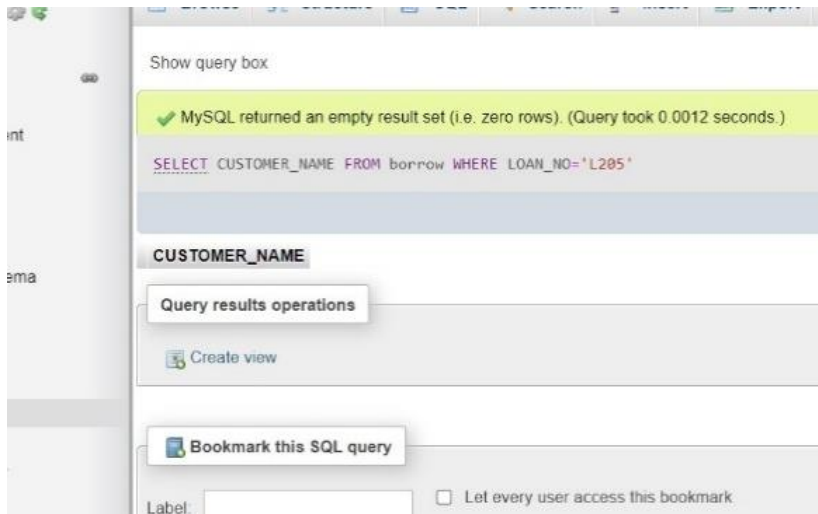


14. Give name of borrower having loan number l205

QUERY

```
SELECT CUSTOMER_NAME FROM borrow WHERE LOAN_NO='L205'
```

OUTPUT

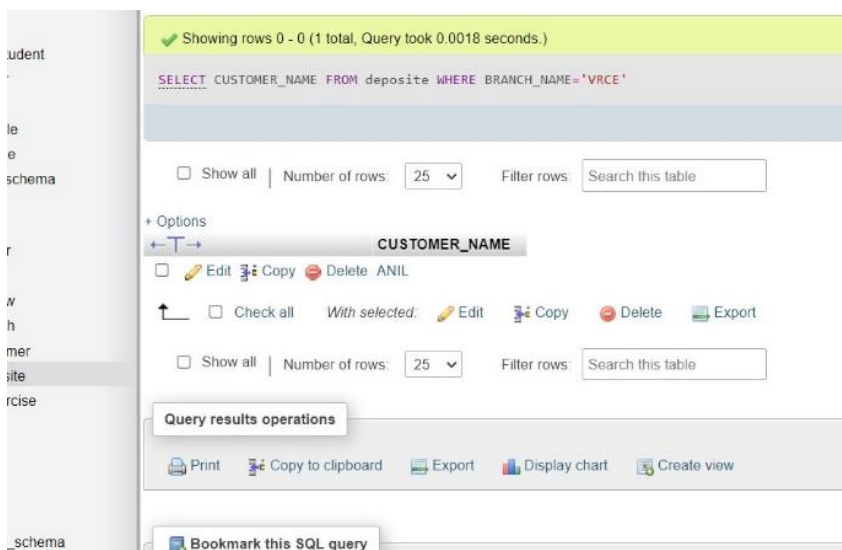


15. Give names of depositors having account at VRCE

QUERY

```
SELECT CUSTOMER_NAME FROM deposit WHERE BRANCH_NAME='VRCE'
```

OUTPUT

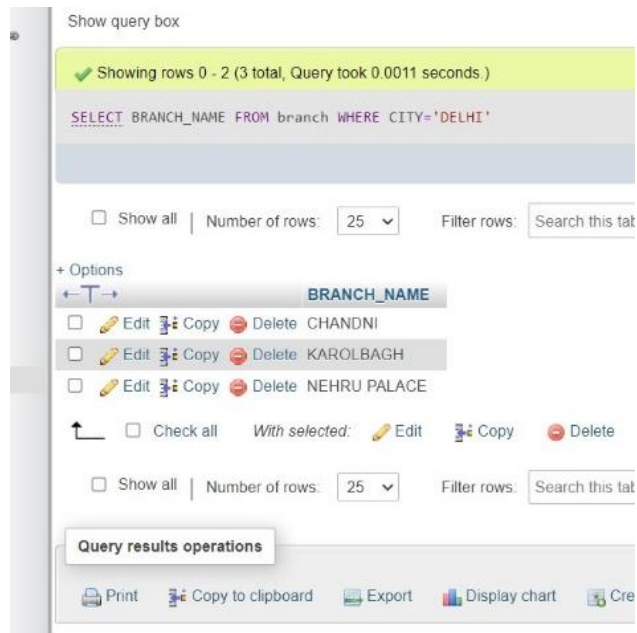


16. Give names of all branched located in city Delhi

QUERY

```
SELECT BRANCH_NAME FROM branch WHERE CITY='DELHI'
```

OUTPUT

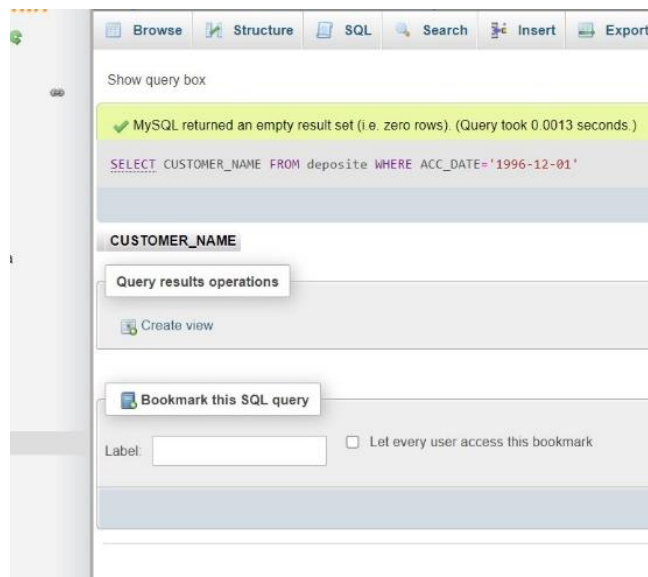


17. Give name of the customers who opened account date '1-12-96'

QUERY

```
SELECT CUSTOMER_NAME FROM deposit WHERE ACC_DATE='1996-12-01'
```

OUTPUT

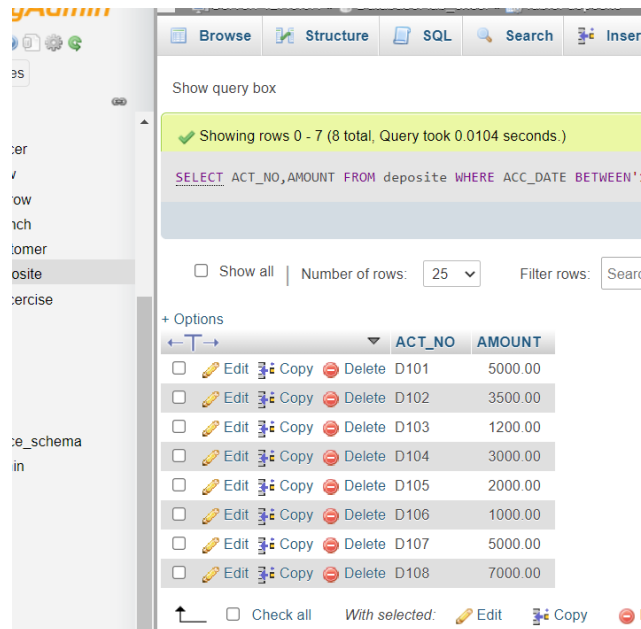


18. Give account no and deposit amount of customers having account opened between dates '1-12-96' and '1-5-96'

QUERY

```
SELECT ACT_NO,AMOUNT FROM deposit WHERE ACC_DATE BETWEEN '1995-05-01' AND '1996-12-01'
```

OUTPUT



Showing rows 0 - 7 (8 total, Query took 0.0104 seconds.)

```
SELECT ACT_NO,AMOUNT FROM deposit WHERE ACC_DATE BETWEEN '1995-05-01' AND '1996-12-01'
```

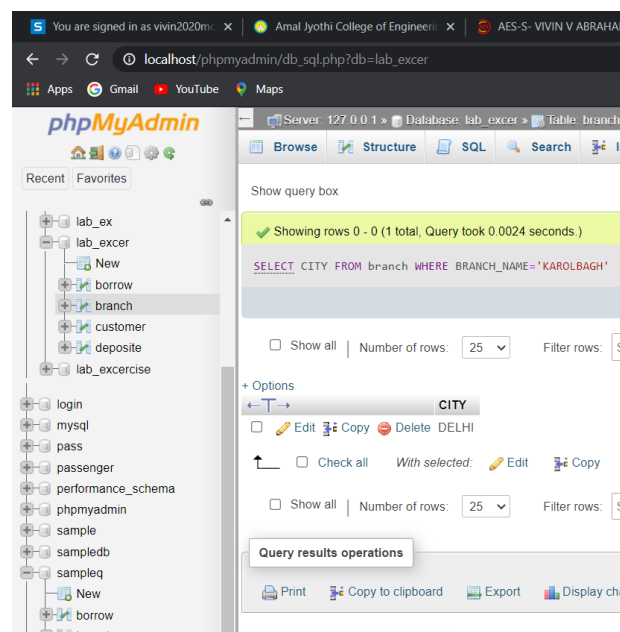
ACT_NO	AMOUNT
D101	5000.00
D102	3500.00
D103	1200.00
D104	3000.00
D105	2000.00
D106	1000.00
D107	5000.00
D108	7000.00

19. Give name of the city where branch KAROLBAGH is located

QUERY

```
SELECT CITY FROM branch WHERE BRANCH_NAME='KAROLBAGH'
```

OUTPUT



Showing rows 0 - 0 (1 total, Query took 0.0024 seconds.)

```
SELECT CITY FROM branch WHERE BRANCH_NAME='KAROLBAGH'
```

CITY
DELHI

20. Give details of customer ANIL

QUERY

```
SELECT * FROM customer JOIN borrow ON customer.CUSTOMER_NAME=borrow.CUSTOMER_NAME JOIN deposit ON deposit.CUSTOMER_NAME=borrow.CUSTOMER_NAME WHERE customer.CUSTOMER_NAME='ANIL'
```

OUTPUT

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 0 (1 total, Query took 0.0054 seconds)

```
SELECT * FROM customer JOIN borrow ON customer.CUSTOMER_NAME=borrow.CUSTOMER_NAME JOIN deposit ON deposit.CUSTOMER_NAME=borrow.CUSTOMER_NAME WHERE customer.CUSTOMER_NAME='ANIL'
```

Options

CUSTOMER_NAME	CITY	LOAN_NO	CUSTOMER_NAME	BRANCH_NAME	AMOUNT	ACT_NO	CUSTOMER_NAME	BRANCH_NAME	AMOUNT	ACC_DATE
ANIL	CALCUTTA	L201	ANIL	VRCE	1000.00	D100	ANIL	VRCE	1000.00	1995-03-01

Query results operations

Print Copy to clipboard Export Display chart Create view

EXPERIMENT NO. 3: DDL COMMANDS and CONSTRAINTS

1. Create a table emp with attributes empno number(4) as primary key, ename char(10), hiredate, salary, commission

insert 5 rows of data

```
101 Ramesh 17-Jan-1980 5000 ;
102 Ajay 05-Jul-1985 5000 500;
103 Ravi 12-Aug-1981 1500 ;
104 Nikesh 03-Mar-1983 3000 700;
105 Ravi 05-Jul-1985 3000;
```

QUERY

```
CREATE TABLE EMPLOYEE (EMP_NO int(4) PRIMARY KEY, EMPLOYEE_NAME char(10), HIRE_DATE date, SALARY float(7,2), COMMISSION float(5,2))
```

```
INSERT INTO employee VALUES(101,'RAMESH','1980-01-17',5000,'');
```

```
INSERT INTO employee VALUES(102,'AJAY','1985-07-05',5000,500);
```

```
INSERT INTO employee VALUES(103,'RAVI','1981-08-12',1500,'');
```

```
INSERT INTO employee VALUES(104,'NIKESH','1983-03-03',3000,700);
```

```
INSERT INTO employee VALUES(105,'RAVI','1985-07-05',3000,'');
```

OUTPUT

Show query box

Showing rows 0 - 4 (5 total, Query took 0.0008 seconds.)

```
SELECT * FROM employee
```

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

+ Options

	EMP_NO	EMPOY_NAME	HIRE_DATE	SALARY	COMMISSION
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000.00	0.00
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000.00	500.00
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500.00	0.00
<input type="checkbox"/> Edit Copy Delete	104	NIKESH	1983-03-03	3000.00	700.00
<input type="checkbox"/> Edit Copy Delete	105	RAVI	1985-07-05	3000.00	0.00

☐ Check all | With selected: Edit Copy Delete Export

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

2. Modifying the structure of tables

A. Add new columns: sal number(7,2)

QUERY

```
ALTER TABLE employee ADD sal numeric(7,2)
```

OUTPUT

Showing rows 0 - 4 (5 total, Query took 0.0008 seconds.)

```
SELECT * FROM `employee`
```

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

+ Options

	EMP_NO	EMPOY_NAME	HIRE_DATE	SALARY	COMMISSION	sal
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000.00	0.00	NULL
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000.00	500.00	NULL
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500.00	0.00	NULL
<input type="checkbox"/> Edit Copy Delete	104	NIKESH	1983-03-03	3000.00	700.00	NULL
<input type="checkbox"/> Edit Copy Delete	105	RAVI	1985-07-05	3000.00	0.00	NULL

☐ Check all | With selected: Edit Copy Delete Export

B. Dropping a column from a table: sal

QUERY

```
ALTER TABLE employee DROP sal
```

OUTPUT

Show query box

Showing rows 0 - 4 (5 total, Query took 0.0008 seconds.)

```
SELECT * FROM employee
```

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

+ Options

	EMP_NO	EMPLOYEE_NAME	HIRE_DATE	SALARY	COMMISSION
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000.00	0.00
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000.00	500.00
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500.00	0.00
<input type="checkbox"/> Edit Copy Delete	104	NIKESH	1983-03-03	3000.00	700.00
<input type="checkbox"/> Edit Copy Delete	105	RAVI	1985-07-05	3000.00	0.00

☐ Check all | With selected: Edit Copy Delete Export

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

C.Modifying existing column :ename varchar2(15)

QUERY

```
ALTER TABLE employee MODIFY EMPLOYEE_NAME varchar(15)
```

OUTPUT

Showing rows 0 - 4 (5 total, Query took 0.0006 seconds.)

```
SELECT * FROM "employee"
```

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

+ Options

	EMP_NO	EMPLOYEE_NAME	HIRE_DATE	SALARY	COMMISSION
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000.00	0.00
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000.00	500.00
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500.00	0.00
<input type="checkbox"/> Edit Copy Delete	104	NIKESH	1983-03-03	3000.00	700.00
<input type="checkbox"/> Edit Copy Delete	105	RAVI	1985-07-05	3000.00	0.00

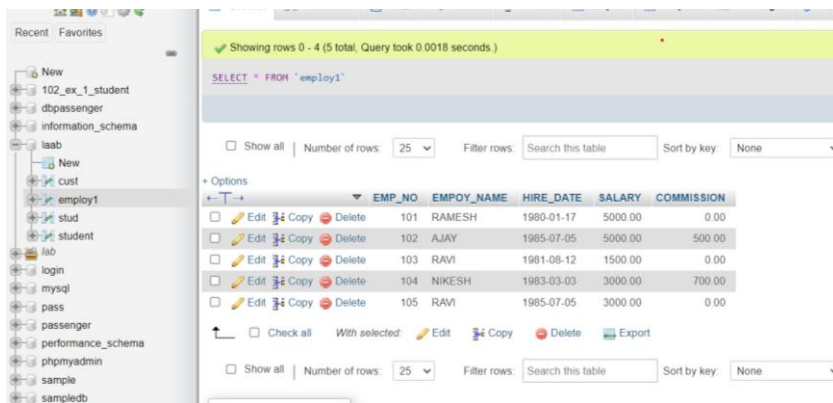
☐ Check all | With selected: Edit Copy Delete Export

D.Renaming the tables: emp to emp1

QUERY

```
ALTER TABLE employee RENAME to employ1
```

OUTPUT



Showing rows 0 - 4 (5 total, Query took 0.0018 seconds.)

```
SELECT * FROM `employ1`
```

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

	EMP_NO	EMPLOY_NAME	HIRE_DATE	SALARY	COMMISSION
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	101	RAMESH	1980-01-17	5000.00	0.00
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	102	AJAY	1985-07-05	5000.00	500.00
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	103	RAVI	1981-08-12	1500.00	0.00
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	104	NIKESH	1983-03-03	3000.00	700.00
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	105	RAVI	1985-07-05	3000.00	0.00

Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

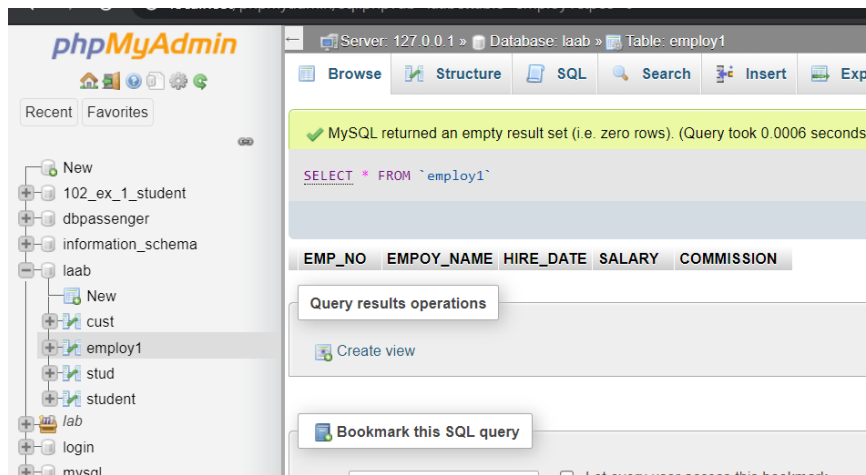
Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

E.Truncating the tables:employ1

QUERY

`TRUNCATE TABLE employ1`

OUTPUT



Server: 127.0.0.1 » Database: laab » Table: employ1

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds)

```
SELECT * FROM `employ1`
```

EMP_NO	EMPLOY_NAME	HIRE_DATE	SALARY	COMMISSION
--------	-------------	-----------	--------	------------

Query results operations

Create view

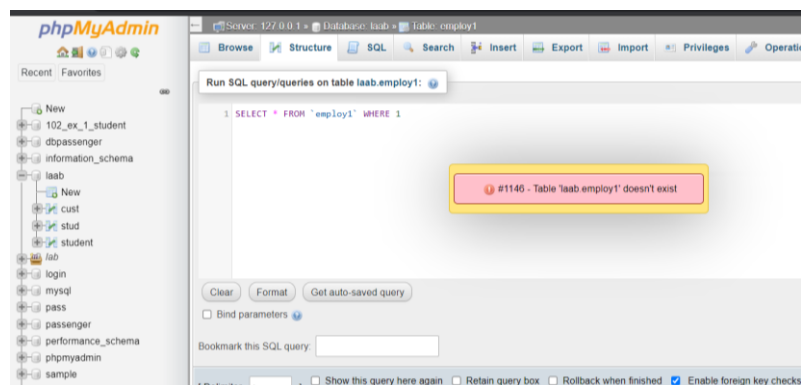
Bookmark this SQL query

F.Destroying tables:em

QUERY

`DROP TABLE employ1`

OUTPUT



Server: 127.0.0.1 » Database: laab » Table: employ1

Run SQL query/queries on table laab.employ1:

```
SELECT * FROM `employ1` WHERE 1
```

#1146 - Table 'laab employ1' doesn't exist

Clear | Format | Get auto-saved query

Bind parameters

Bookmark this SQL query:

Show this query here again | Retain query box | Rollback when finished | Enable foreign key checks