

EXPERIMENT 01: Create table and Insert values

Create the following Tables

1. 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 DEPOSIT (ACTNO VARCHAR(5)PRIMARY KEY CHECK (ACTNO LIKE "D%"), CNAME VARCHAR(15),FOREIGN KEY(CNAME) REFERENCES customer(CNAME), BNAME VARCHAR(20),FOREIGN KEY(BNAME) REFERENCES branch(BNAME), AMOUNT FLOAT(8,2)NOT NULL CHECK(AMOUNT>0), ADATE DATE);

2. BRANCH

BNAME VARCHAR2(20) PRIMARY KEY
CITY VARCHAR2(30) NOT NULL , any one of NAGPUR, DELHI, BANGALORE, BOMBAY

QUERY

CREATE TABLE BRANCH(BNAME VARCHAR(20)PRIMARY KEY, CITY VARCHAR(30)NOT NULL CHECK(CITY IN ('NAGPUR','DELHI','BANGALORE','BOMBAY')));

CUSTOMER

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

QUERY

CREATE TABLE CUSTOMER (CNAME VARCHAR(15)PRIMARY KEY, CITY VARCHAR(20)NOT NULL);

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(LOANNO VARCHAR(8)PRIMARY KEY CHECK (LOANNO LIKE "L%"), CNAME
 VARCHAR(15),FOREIGN KEY(CNAME) REFERENCES customer(CNAME), BNAME VARCHAR(20), FOREIGN
 KEY(BNAME) REFERENCES branch(BNAME), AMOUNT FLOAT(8,2)NOT NULL CHECK(AMOUNT>0));

OUTPUT

The screenshot shows the phpMyAdmin interface for a database named 'adbms'. The left sidebar shows the database structure with tables: borrow, branch, customer, deposit, and stud. The main panel displays a table listing these tables with their respective row counts, types, collations, sizes, and overheads.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> borrow	★ Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	48.0 KiB	-
<input type="checkbox"/> branch	★ Browse Structure Search Insert Empty Drop	9	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> customer	★ Browse Structure Search Insert Empty Drop	10	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> deposit	★ Browse Structure Search Insert Empty Drop	9	InnoDB	latin1_swedish_ci	48.0 KiB	-
<input type="checkbox"/> stud	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
5 tables	Sum	34	InnoDB	latin1_swedish_ci	144.0 KiB	0 B

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`(`BNAME`, `CITY`) VALUES

('VRCE','NAGPUR'),('AJNI','NAGPUR'),('KAROLBAGH','DELHI'),
('CHANDNI','DELHI'),('DHARAMPETH','NAGPUR'),('MG ROAD','BANGALORE'),
('ANDHERI','BOMBAY'),('NEHRU PALACE','DELHI'),('POWAI','BOMBAY');

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`(`CNAME`, `CITY`) VALUES

('ANIL','CALCUTTA'),('SUNIL','DELHI'),('MEHUL','BARODA'),('MANDAR','PATNA'),
('MADHURI','NAGPUR'),('PRAMOD','NAGPUR'),('SANDIP','SURAT'),
('SHIVANI','BOMBAY'),('KRANTI','BOMBAY'),('NAREN','BOMBAY');

3. Inserting values into Deposit table

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`(`ACTNO`, `CNAME`, `BNAME`, `AMOUNT`, `ADATE`) VALUES
('D100','ANIL','VRCE','1000.00','1995-03-01'),
('D101','SUNIL','AJNI','500.00','1996-01-04'),
('D102','MEHUL','KAROLBAGH','3500.00','1995-11-17'),
('D104','MADHURI','CHANDNI','1200.00','1995-12-17'),
('D105','PRAMOD','MG ROAD','3000.00','1996-03-27'),
('D106','SANDIP','ANDHERI','2000.00','1996-03-31'),
('D107','SHIVANI','DHARAMPETH','1000.00','1995-09-05'),
('D108','KRANTI','NEHRU PALACE','5000.00','1995-07-02'),
('D109','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`(`LOANNO`, `CNAME`, `BNAME`, `AMOUNT`) VALUES
('L201','ANIL','VRCE','1000.00'),
('L206','MEHUL','AJNI','5000.00'),
('L311','SUNIL','DHARAMPETH','3000.00'),
('L321','MADHURI','ANDHERI','2000.00'),
('L371','PRAMOD','DHARAMPETH','8000.00'),
('L481','KRANTI','NEHRU PALACE','3000.00');
```