MINI PROJECT - BANKING MANAGEMENT

AIM:

To create database to store the bank details using MYSQL

SQL PROGRAM:

mysql> CREATE DATABASE bank;

Then use the database bank to creating tables inside it.

mysql> USE bank;

Creating table customer:

```
CREATE TABLE customer
  (
    custid VARCHAR(6),
    fname VARCHAR(30),
    mname VARCHAR(30),
    ltname VARCHAR(30),
    city VARCHAR(15),
    mobileno VARCHAR(10),
    occupation VARCHAR(10),
    dob DATE,
    CONSTRAINT customer_custid_pk PRIMARY KEY(custid)
  );
```

The customer table is created successfully, now we will create the next table "branch".

Creating table branch:

```
CREATE TABLE branch
  (
   bid VARCHAR(6),
   bname VARCHAR(30),
   bcity VARCHAR(30),
   CONSTRAINT branch_bid_pk PRIMARY KEY(bid)
  );
```

Creating table account:

```
CREATE TABLE account
  (
    acnumber VARCHAR(6),
    custid  VARCHAR(6),
    bid VARCHAR(6),
    opening_balance INT(7),
    aod DATE,
    atype VARCHAR(10),
    astatus VARCHAR(10),
    CONSTRAINT account_acnumber_pk PRIMARY KEY(acnumber),
    CONSTRAINT account_custid_fk FOREIGN KEY(custid) REFERENCES customer(custid),
    CONSTRAINT account_bid_fk FOREIGN KEY(bid) REFERENCES branch(bid)
  );
```

Creating table trandetails:

```
CREATE TABLE trandetails
   (
    tnumber VARCHAR(6),
    acnumber VARCHAR(6),
    dot DATE,
    medium_of_transaction VARCHAR(20),
    transaction_type VARCHAR(20),
    transaction_amount INT(7),
    CONSTRAINT trandetails_tnumber_pk PRIMARY KEY(tnumber),
    CONSTRAINT trandetails_acnumber_fk FOREIGN KEY(acnumber) REFERENCES
account(acnumber)
  );
```

Creating table loan:

```
CREATE TABLE loan
  (

   custid VARCHAR(6),
   bid VARCHAR(6),
   loan_amount INT(7),
   CONSTRAINT loan_customer_custid_bid_pk PRIMARY KEY(custid,bid),
   CONSTRAINT loan_custid_fk FOREIGN KEY(custid) REFERENCES  customer(custid),
   CONSTRAINT loan_bid_fk FOREIGN KEY(bid) REFERENCES  branch(bid)
  );
```

Output: