create database bank;

use bank;

CREATE TABLE customer\_master(

CUSTOMER\_NUMBER VARCHAR(6),

FIRSTNAME VARCHAR(30),

middlename VARCHAR(30),

lastname VARCHAR(30),

CUSTOMER\_CITY VARCHAR(15),

CUSTOMER\_CONTACT\_NO VARCHAR(10),

occupation VARCHAR(20),

CUSTOMER\_DATE\_OF\_BIRTH DATE,

CONSTRAINT customer\_custid\_pk PRIMARY KEY (CUSTOMER\_NUMBER));

CREATE TABLE branch\_master(

branch\_id VARCHAR(6),

branch\_name VARCHAR(30),

branch\_city VARCHAR(30),

CONSTRAINT branch\_bid\_pk PRIMARY KEY (branch\_id));

CREATE TABLE account\_master (

account\_number VARCHAR(6),

customer\_number VARCHAR(6),

branch\_id VARCHAR(6),

opening\_balance INT(7),

account\_opening\_date DATE,

account\_type VARCHAR(10),

account\_status VARCHAR(10),

PRIMARY KEY (account\_number),

FOREIGN KEY (customer\_number) references customer\_master(customer\_number),

FOREIGN KEY (branch\_id) references branch\_master(branch\_id));

CREATE TABLE transaction\_details(

transaction\_number VARCHAR(6),

account\_number VARCHAR(6),

date\_of\_transaction DATE,

medium\_of\_transaction VARCHAR(20),

transaction\_type VARCHAR(20),

transaction\_amount INT(7),

CONSTRAINT transaction\_details\_tnumber\_pk PRIMARY KEY (transaction\_number),

CONSTRAINT transaction\_details\_acnumber\_fk FOREIGN KEY (account\_number) REFERENCES account\_master (account\_number));

CREATE TABLE loan\_details (

customer\_number varchar(255),

branch\_id varchar(255),

loan\_amount bigint(20),

primary key(customer\_number, branch\_id),

foreign key(customer\_number) references customer\_master(customer\_number),

foreign key(branch\_id) references branch\_master(branch\_id));

insert into customer\_master values('C00001', 'RAMESH', 'CHANDRA', 'SHARMA', 'DELHI', '9543198345', 'SERVICE' ,'1976-12-06');

insert into customer\_master values('C00002', 'AVINASH', 'SUNDER', 'MINHA', 'DELHI', '9876532109' ,'SERVICE', '1974-10-16');

insert into customer\_master values('C00003', 'RAHUL', 'NULL', 'RASTOGI', 'DELHI', '9765178901', 'STUDENT', '1981-09-26');

insert into customer\_master values('C00004', 'PARUL', 'NULL', 'GANDHI', 'DELHI', '9876532109' ,'HOUSEWIFE','1976-11-03');

insert into customer\_master values('C00005', 'NAVEEN' ,'CHANDRA', 'AEDEKAR', 'MUMBAI', '8976523190', 'SERVICE' ,'1976-09-19');

insert into customer\_master values('C00006', 'CHITRESH', 'NULL', 'BARWE', 'MUMBAI', '7651298321', 'STUDENT' ,'1992-11-06');

insert into customer\_master values('C00007', 'AMIT' ,'KUMAR', 'BORKAR', 'MUMBAI', '9875189761', 'STUDENT', '1981-09-06');

insert into customer\_master values('C00008', 'NISHA',NULL, 'DAMLE', 'MUMBAI', '7954198761', 'SERVICE', '1975-12-03');

insert into customer\_master values('C00009', 'ABHISHEK', NULL, 'DUTTA', 'KOLKATA','9856198761', 'SERVICE' ,'1973-05-22');

insert into customer\_master values('C00010','SHANKAR' ,NULL, 'NAIR', 'CHENNAI', '8765489076', 'SERVICE', '1976-07-12');

insert into branch\_master values('B00001', 'ASAF ALI ROAD','DELHI'); insert into branch\_master values('B00002','NEW DELHI MAIN BRANCH','DELHI'); insert into branch\_master values('B00003' ,'DELHI CANTT', 'DELHI');

insert into branch\_master values('B00004' ,'JASOLA', 'DELHI'); insert into branch\_master values('B00005' ,'MAHIM' ,'MUMBAI'); insert into branch\_master values('B00006' ,'VILE PARLE', 'MUMBAI'); insert into branch\_master values('B00007', 'MANDVI' ,'MUMBAI'); insert into branch\_master values('B00008' ,'JADAVPUR', 'KOLKATA');

insert into branch\_master values('B00009' ,'KODAMBAKKAM', 'CHENNAI');

insert into account\_master values('A00001' ,'C00001','B00001',1000 ,'2012-12-15', 'SAVING', 'ACTIVE');

insert into account\_master values('A00002' ,'C00002','B00001',1000,'2012-06-12' ,'SAVING', 'ACTIVE');

insert into account\_master values('A00003','C00003','B00002',1000,'2012-05-17','SAVING', 'ACTIVE');

insert into account\_master values('A00004','C00002','B00005',1000,'2013-01-27','SAVING ','ACTIVE');

insert into account\_master values('A00005','C00006','B00006',1000,'2012-12-17','SAVING','ACTIVE');

insert into account\_master values('A00006','C00007','B00007',1000,'2010-08-12','SAVING ','SUSPENDED');

insert into account\_master values('A00007','C00007','B00001',1000,'2012-10-02','SAVING ','ACTIVE');

insert into account\_master values('A00008' ,'C00001','B00003', 1000 ,'2009-11-09','SAVING ','TERMINATED');

insert into account\_master values('A00009','C00003','B00007',1000,'2008-11-30','SAVING', 'TERMINATED');

insert into account\_master values('A00010','C00004','B00002',1000,'2013-03-01','SAVING', 'ACTIVE');

insert into transaction\_details values('T00001', 'A00001', '2013-01-01', 'CHEQUE', 'DEPOSIT', 2000);

insert into transaction\_details values('T00002' ,'A00001' ,'2013-02-01' ,'CASH','WITHDRAWAL', 1000);

insert into transaction\_details values('T00003', 'A00002', '2013-01-01', 'CASH' ,'DEPOSIT', 2000);

insert into transaction\_details values('T00004', 'A00002', '2013-02-01' , 'CASH' ,'DEPOSIT', 3000);

insert into transaction\_details values('T00005', 'A00007', '2013-01-11', 'CASH' ,'DEPOSIT', 7000);

insert into transaction\_details values('T00006', 'A00007', '2013-01-13', 'CASH' ,'DEPOSIT', 9000);

insert into transaction\_details values('T00007', 'A00001', '2013-03-13', 'CASH' ,'DEPOSIT',4000);

insert into transaction\_details values('T00008','A00001','2013-03-14','CHEQUE','DEPOSIT' ,3000);

insert into transaction\_details values('T00009','A00001','2013-03-21','CASH','WITHDRAWAL' ,9000);

insert into transaction\_details values('T00010','A00001','2013-03-22','CASH','WITHDRAWAL' ,2000);

insert into transaction\_details values('T00011','A00002','2013-03-25','CASH','WITHDRAWAL' ,7000);

insert into transaction\_details values('T00012','A00007','2013-03-26','CASH','WITHDRAWAL' ,2000);

insert into Loan\_details values('C00001','B00001',100000);

insert into Loan\_details values('C00002','B00002',200000);

insert into Loan\_details values('C00009','B00008',400000);

insert into Loan\_details values('C00010','B00009',500000);

insert into Loan\_details values('C00001','B00003',600000);

insert into Loan\_details values('C00002','B00001',600000);