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Harshif Doshi. B
 1BM19CS 057
DBMS Lab Test - 1
1) Banking Enterprise
Ans:
    create database banking-enterprise;
     use banking-entuprise;
    create table branch (
          branch-name varchar (30),
          branch-city vouchou (30),
          assets real,
           primary key (branch-name)
   create table accounts!
            accopo int,
            branch-name varchar(30),
            bolance real,
            primary key (accord),
           foreign key (branch-name) references branch (branch-name)
                                             on delete cascade
   create table customer (
          customer_name vaichar (30),
           customer_street varchar(20),
           customer-city varchar (20),
           primary key (customer_name)
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create table depositorl
        customer_name varchar (30),
         accus int,
         peimary key (customer-name, accro),
  Horeign key (customer name) references customer (customer name)
                                      on update cascade,
toreign ky (accro) references accounts (accro) on delete consode
 create table boan (
         loan-number int
          branch-name varcher (30),
          amount real,
          primary key ( Loan-number),
    foreign key (branch-name) references branch (branch-name) on
                                               delete coscade
 create table borrower (
           customer-name vaichar (30),
            loan-number int,
     primary key (customer-name, loan-number),
  foreign key (customer name) reference customer (customer name) on
                                                update cascade,
  Joreign key (boan-humber) reference boan (boan-number) on
                                          delite cascade
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insert into branch values ("SBI PD NAGAR", "BANGALORE", 200000);
 insert into branch values ("SBI RAJAJI NAGAR", "BANGALORE", 500000);
insert into branch values ("SBI TYAGRAJ NAGAR", "BANGALORE", 300000);
insert into branch values ("SBI BASAVANAGUDI", "BANGALORE", 680000);
insert into branch values ("SBI J.P. NAGAR", "BANGALORE", 900000);
  insert into accounts values (128401, "SBI RAJAJI NAGAR", 7000);
  select * from branch;
   insect into accounts values (128402, "SBI PD NAGAR", 5000);
   insert into account values (128403, "SBI J.P. NAGAR', 10000);
 insert into accounts values (128404, "SBI BASAVANAGUDI", 20000).
  insert into accounts values (128405, "SBI TYAGRAT NAGAR", 25000).
  insert into accounts values (128407, "SBF J.P.NAGAR", 40000);
insert into customer values ("KESAV", "M.G. ROAD", "BANGALORE");
insert into customer values ("RAJ", "MANNAT", "BANGALORE");
insert into customer values ("AMAN", "ANTILAA", "BECIDENIEV DADON", "DOMINIO CUSTOMOR values ("AMAR", "BECIDENIEV DADON", "DOMINIA - "");
insert into customor values ("GAMAR", "BECIDENIEV DADON", "DOMINIA - "");
 insert into customer values ("SAMAR", " RESIDENCY ROAD", "BANGA LORE")
 insert into customer volues ("RAHUL"," VS ROAD", "BANGALORE");
 insert into customer values ("ARJUN", "ST. MARTHAROAD", "BANGALORE",
inhert into boan values (10111 / SBI J.P.NAGAR", 10000);
insert into loan volues (10112, "SBI RAJA): NAGAR", 8000);
insert into loan values (10113, "SBI BASAVANAGUDI", 12000);
inset into loan values (10114, "SBI Top. NAGIAR", 15000);
 insert into Loan values (10115, "SBI TYAGRAD NAGAR", 5000);
   select & from ban;
```

```
insert into borrower values ("KESAV", 10111);
inset into borrower valuer ("SAMAR", 10112);
      into borrower values ("RAHUL, 10115);
       into borrower volus ("RAJ", 10112);
        into borrower values (SAMAR", 10113);
 tusin
 select * from borrower;
      into depositor values ("KESAV", 128401);
issect
insult into depositor values ("RAJ" 128402);
insert into depositor values (" AMARIA" 128403);
 insert into depositor values ("RAHUL" 128405);
        into depositor values ("AMAN" 128.40%);
 insut
  select * from depositor;
  select customer nome from depositor d, accounts a
      where d.accno = a.accno
     a. branch-name="SBI J. P. NAGAR"
      group by d. customer_have
     having court (d. customer-name) > = 2;
 Select d. customer-name from accounts a , branch b , despositor d
   where b. branch_mame = a. branch-name
    and
    a. occno = d. accno
   b. branch-city = "BANGAWRE"
    group by d. customer-rame
    having court (distinct b. branch-name) = (select court (branch-name)
                         from branch where branch-city = "BANGALORE");
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delete from accounts where branch-name from branch where branch-name in (select branch-name from branch-city=" BANGALORÉ"),

affer table account varchar (30);

Select customer_name, customer_street, customer_city From

austomer where customer_name IN (Select customer_name

From Morrower where wan-number IN (SELECT (Oan_number

from LOAN having ang (amount)>20000))