```
create database Bank_ICIC;
use bank_icic;

create table Account_Type (
Account_No int(10) primary key,
Type_Account varchar(255),
Manager_id int(10),
Department_Name varchar(255),
Opening_Date date);

select * from Account_Type;

insert into Account_type ( Account_no, Type_account, Manager_id, Department_name,
Opening_date) values
(12345, "saving",20,"Account","2003-04-23"),
(67899,"Loan",21, "Loan", "2004-05-24"),
(10112, "Savings", 22, "HR", "2006-01-04"),
(13145, "Loan", 23, "Admin", "2003-04-23"),
(15167, "Current", 24, "Sales", "2004-05-24"),
(18190,"Business", 25, "Security", "2006-01-04"),
(20210, "Loan", 26, "Account", "2003-04-23"),
(22230, "Savings", 27, "Loan", "2004-05-24"),
(24250, "Loan", 28, "HR", "2006-01-04"),
(26270, "current",29, "admin", "2003-04-23"),
(28290, "business", 30, "sales", "2004-05-24"),
(30310, "current", 31, "security", "2006-01-04"),
(32330, "savings", 32, "Account", "2003-04-24"),
(34350, "Loan",33, "Loan", "2004-05-24"),
(36370, "Current", 34, "HR", "2006-01-04"),
(38390, "current", 35, "Admin", "2003-04-23"),
(40410, "Business", 36, "Sales", "2004-05-24"),
(42430, "Loan",37, "Security", "2006-01-04"),
(44450, "Savings",38, "Account", "2003-03-23"),
(46470, "Loan", 39, "Loan", "2004-05-24"),
(48490, "Savings",40, "HR", "2006-01-04)");

select* from Account_Type;


Create Table Department(
Department_id int(10) primary key,
Department_Name varchar(255),
Manager_id int(10),
Employee_id int(10),
Account_No int(10),
```

```
foreign key(Account_No) references Account_Type(Account_No) on delete cascade
);

select * from Department;

Insert into Department (
Department_id,Department_name,Manager_id,Employee_id,Account_No) values
(1, "Account", 20, 50, 12345),
(8, "Loan", 21, 51, 67899),
(11, "HR", 22, 52, 10112),
(16, "Admin", 23, 53, 13145),
(19, "Sales", 24, 54, 15167),
(21, "Security", 25, 55, 18190);

select* from Department;

Create Table Bank_Details(
Branch_code int(10) primary key,
Address Varchar(255),
Branch_Name varchar(255),
State varchar(255),
Department_id int(10),
foreign key(Department_id) references Department(Department_id) on delete cascade
);

select * from Bank_details;

insert into Bank_details(Branch_code, Address, Branch_name, state, Department_id)
values
(100, "Nagpur", "ICIC_N", "Maharashtra", 1),
(101, "Pune", "ICIC_P", "Maharashtra", 1),
(102, "Mumbai", "ICIC_M", "Maharashtra",1),
(103, "Delhi", "ICIC_D", "DEL", 1),
(104, "Mumbai", "ICIC_M", "Maharashtra", 1),
(105, "Delhi", "ICIC_D", "DEL", 1),
(106, "Nagpur", "ICIC_N", "Maharashtra", 1),
(107, "Pune", "ICIC_P", "Maharashtra", 8),
(108, "Mumbai", "ICIC_M", "Maharashtra",8),
(109, "Nagpur", "ICIC_N", "Maharashtra",8),
(110, "Pune", "ICIC_P", "Maharashtra",11),
(111, "Mumbai", "ICIC_M", "Maharashtra",11),
(112, "Delhi", "ICIC_D", "DEL",11),
(113, "Nagpur", "ICIC_N", "Maharashtra",11),
(114, "Pune", "ICIC_P", "Maharashtra",11),
(115, "Mumbai", "ICIC_M", "Maharashtra",16),
```

```
(116, "Nagpur", "ICIC_N", "Maharashtra",16),
(117, "Pune", "ICIC_P", "Maharashtra",16),
(118, "Mumbai", "ICIC_M", "Maharashtra",19),
(119, "Delhi", "ICIC_D", "DEL",19),
(120, "Pune", "ICIC_P", "Maharashtra",21);

select* from Bank_details;


Create table Job_details (
Job_id Varchar(255) Primary Key,
Department_id int(10),
Branch_code int(10),
foreign key (department_id) references Department(Department_id) on delete cascade
on update cascade,
foreign key (Branch_code) references Bank_details(Branch_code) on delete cascade
on update cascade
);

insert into Job_details (Job_id, Department_id, Branch_code) Values
("ST_CLERK",1,101),
("ST_MAN",8,108),
("FI_ACCOUNT",11,113),
("SA_REP",19,118);

select * from Job_details;

create Table Employees(
Employee_id int(10) primary key,
First_Name varchar(255),
Department_id int(10),
Manager_id int(10),
Job_id varchar(255),
Email Varchar(255),
Hire_Date date,
Phone_no varchar(255),
Salary int(10),
foreign key (department_id) references Department(department_id) on delete cascade
on update cascade,
foreign key (Job_id) references Job_details(Job_id) on delete cascade
on update cascade);

insert into Employees
(Employee_id, First_Name, Department_id, Manager_id, Job_id, Email, Hire_date,
Phone_No,
```

```
salary) Values
(50, "Samuel",1,20,"ST_CLERK","SMCCAIN","2007-11-23","650.505.1876",3800),
(51, "Allan",8,21, "ST_CLERK","SSEWALL","2004-01-30","650.505.2876",3600),
(52, "Irene",11,22, "ST_CLERK","SSTILES","2004-03-04","650.505.3876",2900),
(53, "Kevin",16,23, "ST_CLERK","STOBIAS","2004-08-01","650.505.4876",2500),
(54, "Julia",19,24, "ST_CLERK","SVOLLMAN","2005-03-04","650.501.1876",4000),
(55, "Donald",21,25, "ST_CLERK","TFOX","2005-12-15","650.501.2876",3900),
(56, "Christopher",1,26, "ST_CLERK","TGATES","2006-11-03","650.501.3876",3200),
(57, "TJ",8,27, "ST_MAN","TJOLSON","2005-11-11","650.501.4876",2800),
(58, "Lisa",11,28,"ST_MAN","TRAJS","2007-03-19","650.507.9811",3100),
(59, "Karen",16,29,"ST_MAN","VJONES","2008-01-24","650.507.9822",3000),
(60, "Valli",19,30, "ST_MAN","VPATABAL","2008-02-23","650.507.9833",2600),
(61, "Joshua",21,31, "ST_MAN","WGIETZ","2003-05-01","650.507.9844",6400),
(62, "Randall",1,32, "FI_ACCOUNT","WSMITH","2005-10-10","515.123.4444",6200),
(63, "Hazel",8,33, "FI_ACCOUNT","WTAYLOR","2007-11-16","515.123.5555",11500),
(64, "Luis",11,34, "FI_ACCOUNT","JNAYER","2005-07-16","603.123.6666",10000),
(65, "Trenna",16,35, "FI_ACCOUNT","JPATEL","2006-09-28","515.123.7777",9600),
(66, "Den",19,36, "FI_ACCOUNT","JRUSSEL","2007-01-14","515.123.8888",7400),
(67, "Michael",21,37, "SA_REP","JSEO","2008-03-08","515.123.8080",7300),
(68, "John",1,38, "SA_REP","JTAYLOR","2005-08-20","011.44.1346.329268",6100),
(69, "Nandita",8,39,
"SA_REP","JWHALSEN","2005-10-30","011.44.1346.529268",11000),
(70, "Ismael",11,40, "SA_REP","KCHUNG","2005-02-16","011.44.1346.52",8800);

select * from Employees;


create Table Customers(
Account_No int(10) primary key,
First_Name varchar(255),
City varchar(255),
Branch_code int(10),
Employee_id int(10),
Phone_no varchar(255),
ATM_No int(10) unique,
Exp_date date,
Pin_No int(10) unique,
foreign key(Branch_code) references Bank_details(Branch_code) on delete cascade
on update cascade,
foreign key (Employee_id) references Employees(Employee_id) on delete cascade
On update cascade);



insert into Customers(Account_No, First_Name, City, Branch_code, Employee_id,
```

```
Phone_No, ATM_No, Exp_date, Pin_No) Values
(12345, "Samuel", "Nagpur", 100, 50, "650.505.1876", 423705689, "2006-04-23",5689),
(67899, "Allan", "Pune", 101, 51, "650.505.2876", 423568971, "2007-05-24",8971),
(10112, "Irene", "Mumbai", 102, 52, "650.505.3876", 423432253, "2004-01-04",12253),
(13145, "Kevin", "Delhi", 103, 53, "650.505.4876", 423295535, "2006-01-24",15535),
(15145, "Julia", "Mumbai", 104, 54, "650.501.1876", 423158817, "2006-02-23",18817),
(18190, "Donald", "Delhi", 105, 55, "650.501.2876", 423022099, "2007-06-21",22099),
(20210, "Christopher", "Nagpur", 106, 56, "650.501.3876",422885381,
"2008-02-03",25381),
(22230, "TJ", "Pune", 107, 57, "650.501.4876", 422748663, "2004-01-27",28663),
(24250, "Lisa", "Mumbai",108, 58, "650.507.9811", 422611945, "2005-02-20",31945),
(26270, "Karen", "Nagpur", 109, 59, "650.507.9822", 422475227, "2006-06-24",35227),
(28290, "Valli", "Pune", 110, 60, "650.507.9833", 422338509, "2007-02-07",38509),
(30310, "Joshua", "Mumbai", 111, 61, "650.507.9844", 422201791,
"2008-01-13",41791),
(32330, "Randall", "Delhi", 112, 62, "515.123.4444", 422065073, "2003-09-17",45073),
(34350, "Hazel", "Nagpur", 113, 63, "515.123.5555", 421928355, "2004-02-17",48355),
(36370, "Luis", "Pune", 114, 64, "603.123.6666", 421791637, "2005-08-17",51637),
(38390, "Treena", "Mumbai", 115, 65, "515.123.7777", 421654919,
"2002-06-07",54919),
(40410, "Den", "Nagpur",116, 66, "515.123.8888", 421518201, "2002-06-07",58201),
(42430, "Michael", "Pune", 117, 67, "515.123.8080", 421381483, "2002-06-07",61483),
(44450, "John", "Mumbai", 118, 68, "011.44.1346.329268", 421244765,
"2002-06-07",64765),
(46470, "Nandita", "Delhi", 119, 69, "011.44.1346.529268", 421108047,
"2008-04-21",68047),
(48490, "Ismael", "Pune", 120, 70, "011.44.1346.52", 420971329, "2005-03-11",71329);

select * from Customers;

#####################################################################

#1.Find an employee's whose id is 52 and branch name is icicp

select department.employee_id, bank_details.Branch_Name from department
join Bank_details on department.Department_id = Bank_details.department_id
where department.employee_id= 52 and Bank_details.Branch_Name like 'icic_p';

#2.Count the number of employees working in the loan department and show its
opening dates and address.
select count(department.Employee_id) as total_no_employee,
account_type.opening_date, bank_details.address from Account_Type
join department on Account_Type.Account_no = department.account_no
join bank_details on department.department_id = bank_details.department_id
where Account_Type.Department_Name ="Loan"
```

```
group by Account_Type.Opening_Date, bank_details.Address;

#3. Find details department name, address, branch code, dept _id, city of the account
no 18190.
select account_type.department_name, department.department_id,
bank_details.address,
bank_details.branch_code, customers.city from Account_type
join department on Account_type.account_no = department.Account_no
join bank_details on department.department_id = bank_details.department_id
join customers on bank_details.Branch_code = customers.Branch_code
where Account_type.account_no=18190;


#4. Find department id, department name, job id whose only work in Loan, HR, admin.
select department.department_id, department.department_name, Job_details.Job_id
from department
join job_details on department.department_id = job_details.department_id
where department.department_name in ("loan","HR","Admin");

#5. Find the type_account, state account number whose atm no 422748663.
select account_type.Type_Account, customers.account_no, customers.ATM_no from
Account_type
join customers on Account_type.Account_no = customers.account_no
where customers.ATM_no= 422748663;

#6. Create a view with that show address, branch name, department name, first name.
phone no.
create view details as
select department.Department_name, bank_details.Address,
bank_details.Branch_name,
employees.First_name, employees.Phone_no
from department
join bank_details on department.Department_id = bank_details.Department_id
join employees on bank_details.Department_id = employees.Department_id;
 select * from details;

 #7. Create view city, department name whose opening date is less than 24 May 04.
create view details2 as
select Account_type.Opening_date, department.department_name,
customers.city from Account_type
join department on Account_type.account_no = department.Account_no
join customers on department.employee_id= customers.employee_id
where Account_type.opening_date <"2004-05-24";
 select* from details2;
```

#8.Create view only job id for clerk, manager, an accountant with all detail and name it employee job_deatils

```
create view details3 as
select employees.employee_id, employees.first_name, employees.department_id,
employees.Manager_id, employees.Job_id, employees.Email,
employees.hire_date, employees.Phone_no, employees.salary,
Job_details.Branch_code from employees
join Job_details on employees.job_id = Job_details.Job_id
where Job_details.job_id in ("ST_CLERK","ST_MAN","FI_ACCOUNT");
select * from details3;
```

#9. In the job details change the atm pin 423295535 with 42321992.

```
update Customers
set ATM_No = "42321992"
where ATM_No = "423295535";
select* from Customers;
```

#10.In the job, details change all sales account into admin and account type into saving

```
update job_details
set Job_id="ADMIN"
where Job_id="SA_REP";
select * from Job_details;

SET SQL_SAFE_UPDATES=0;

Update Account_Type
set Type_Account="Savings"
where Type_Account="Sales";
 select * from Account_Type;
```