```
create database ICIC_BANK_MANAGEMENT;
USE ICIC_BANK_MANAGEMENT;
create table Account_Type (
Account_no int primary key,
Type_Account varchar(255),
Manager_id int,
Department_name varchar(255),
Opening_Date date);

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,"Saving",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,"Saving",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,"Saving",32,"Account","2003-04-23"),
(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,"Saving",38,"Account","2003-04-23"),
(46470,"loan",39,"Loan","2004-05-24"),
(48490,"Saving",40,"HR","2006-01-04");

SELECT * FROM Account_type;

create table Department (
Department_id int primary key,
Department_name varchar (255),
Manager_id int,
Employee_id int,
Account_no int,
foreign key (Account_no) references Account_Type(Account_no) on delete cascade
on update cascade );

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 Primary key,
Address varchar(255),
Department_id int,
Branch_name varchar(255),
State varchar(255),
foreign key (Department_id) references Department(Department_id) on delete cascade
on update cascade );

insert into Bank_Details (Branch_code,Address,Department_id,Branch_name,State)
values
(100,"Nagpur",1,"ICIC_N","Maharashtra"),
(101,"Pune",1,"ICIC_P","Maharashtra"),
(102,"Mumbai",1,"ICIC_M","Maharashtra"),
(103,"delhi",1,"ICIC_D","DEL"),
(104,"Mumbai",1,"ICIC_M","Maharashtra"),
(105,"delhi",1,"ICIC_D","DEL"),
(106,"Nagpur",1,"ICIC_N","Maharashtra"),
(107,"Pune",8,"ICIC_P","Maharashtra"),
(108,"Mumbai",8,"ICIC_M","Maharashtra"),
(109,"Nagpur",8,"ICIC_N","Maharashtra"),
(110,"Pune",11,"ICIC_P","Maharashtra"),
(111,"Mumbai",11,"ICIC_M","Maharashtra"),
(112,"delhi",11,"ICIC_D","DEL"),
(113,"Nagpur",11,"ICIC_N","Maharashtra"),
(114,"Pune",11,"ICIC_P","Maharashtra"),
(115,"Mumbai",16,"ICIC_M","Maharashtra"),
(116,"Nagpur",16,"ICIC_N","Maharashtra"),
(117,"Pune",16,"ICIC_P","Maharashtra"),
(118,"Mumbai",19,"ICIC_M","Maharashtra"),
(119,"delhi",19,"ICIC_D","DEL"),
(120,"Pune",21,"ICIC_P","Maharashtra");

select * from Bank_details;

create table Job_details (
Job_id VARCHAR(255) Primary key,
Department_id int,
Branch_code int,
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 primary key,
First_name varchar(255),
Department_id int,
Manager_id int,
Job_id varchar(255),
Email varchar(255),
Hire_Date date,
Phone_no VARCHAR(255),
Salary int,
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","2005-03-10","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","JWHALEN","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 Customer (Account_no int primary key,
```

```
First_name varchar(255),
City varchar(255),
Branch_code int,
Employee_id int,
Phone_no varchar(255),
Atm_no int unique,
Exp_date date,
Pin_no int 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 customer (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,"2008-01-04",12253),
(13145,"Kevin","delhi",103,53,"650.505.4876",423295535,"2006-01-24",15535),
(15167,"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,"Trenna","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);

#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, customer.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 customer on bank_details.Branch_code = customer.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, customer.Account_no, customer.Atm_no from
account_type
join customer on account_type.Account_no = customer.Account_no
where customer.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, customer.City
from account_type
join department on account_type.Account_no = department.Account_no
join customer on department.Employee_id = customer.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

```
SET SQL_SAFE_UPDATES = 0;
update customer
set atm_no = "42321992"
where atm_no = "423295535";

select* from customer;
```

#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";

update account_type
set Type_Account = "Saving"
where Type_Account = "Sales";

select * from account_type;
select * from job_details;
```