DDL:

```
create database sar om
use sar om
create table employ
(enum varchar(30),
fname varchar(30),
lname varchar(30),
sex varchar(30),
dnum varchar(30),
pnum varchar(30),
primary key(enum));
create table skill
pnum varchar(30),
enum varchar(30),
skill varchar(30),
primary key(enum));
create table birthdate
enum varchar(30),
dd int,
mm int,
yy int,
primary key(enum));
create table adress
enum varchar(30),
city varchar(30),
street varchar(30),
contact varchar(30),
primary key(enum));
create table project
(pnum varchar(30),
```

```
pname varchar(30),
mgenum varchar(30),
dnum varchar(30),
tnum varchar(30),
primary key(pnum));
create table team
tnum varchar(30),
enum varchar(30),
pnum varchar(30),
dnum varchar(30)
);
create table department
dnum varchar(30),
dname varchar(30),
mgenum varchar(30),
pnum varchar(30),
primary key(dnum)
);
alter table employ add foreign key(dnum)references
department(dnum);
alter table employ add foreign key(pnum)references
project1(pnum);
alter table skill add foreign key(enum)references
employ(enum);
alter table birthdate add foreign key(enum)references
employ(enum);
alter table adress add foreign key(enum)references
employ(enum);
alter table project1 add foreign key(mgenum)references
employ(enum);
```

```
alter table project1 add foreign key(dnum)references
department(dnum);
alter table team add foreign key(pnum)references
project1(pnum);
alter table department add foreign key(mgenum)references
employ(enum);
```

DML:

```
Insert into employ
values('E1', 'SURESH', 'SINHA', 'M', 'D1', 'P1');
Insert into employ values('E2','RAM','KUMAR','M','D1','P2');
Insert into employ values('E3', 'SAM', 'AMRIT', 'M', 'D3', 'P3');
Insert into employ values('E4', 'PAM', 'KRISH', 'M', 'D4', 'P4');
Insert into skill values('P1','E1','C++');
Insert into skill values('P2', 'E2', 'JAVA');
Insert into skill values('P3','E3','C');
Insert into skill values('P4', 'E4', 'PYTHON');
Insert into birthdate values('E1', 28,02,96);
Insert into birthdate values('E2', 28,02,97);
Insert into birthdate values('E3', 26, 03, 98);
Insert into birthdate values('E4', 26, 04, 99);
```

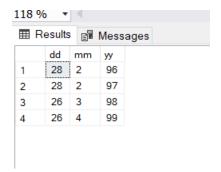
```
Insert into adress values('E1','SAH','L1','9999999999');
Insert into adress values('E2','BHA','L2','88888888888');
Insert into adress values('E3','KAN','L3','777777777');
Insert into adress values('E4','VARA','L4','6789567891');
Insert into project values('P1', 'PA', 'E1', 'd1', 't1');
Insert into project values('P2', 'PB', 'E2', 'd2', 't2');
Insert into project values('P3', 'PC', 'E3', 'd3', 't3');
Insert into project values('P4','PD','E4','d4','t4');
Insert into team values('t1','E1','P1','D1');
Insert into team values('t2', 'E2', 'P2', 'D2');
Insert into team values('t3','E3','P3','D3');
Insert into team values('t4','E4','P4','D4');
Insert into department values('D1','ABC','E1','P1');
Insert into department values('D2','DEF','E2','P2');
Insert into department values('D3','GHI','E3','P3');
Insert into department values('D4','JKL','E4','P4');
```

QUERIES

Q1: DISPLAY THE BIRTH DATE OF EACH EMPLOYEE.

Select dd,mm,yy from birthdate B, employ E
Where B.enum=E.enum;

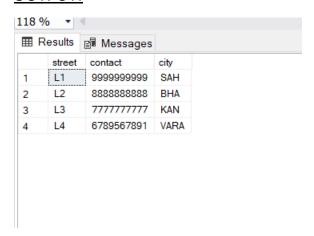
OUTPUT:



Q2: DISPLAY THE ADDRESS OF EACH EMPLOY.

Select street, city, contact from adress A, employ E
Where A.enum=E.enum;

OUTPUT:



Q3: DISPLAY THE CONTACT OF EACH EMPLOY.

Select contact

from adress A, employ E Where A.enum=E.enum;

OUTPUT:



Q4: DISPLAY THE DETAIL OF EMPLOY HAVING SKILL 'C'.

Select * from employ E, birthdate B, adress A, skill S

Where B.enum=E.enum and A.enum=E.enum

and S.enum=E.enum and S.skill='C';

OUTPUT:

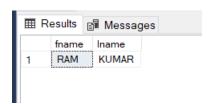


Q5: DISPLAY THE MANAGER NAME FOR PROJECT NUMBER 'P2'.

Select fname,Iname from employ E, project P

Where P.mgenum=E.enum and P.pnum='P2';

OUTPUT:



Q6: DISPLAY THE TEAM NUMBER OF EMPLOY HAVING CITY 'KAN'.

Select T.tnum from team T, project P, employ E, adress A

Where T.tnum= P.tnum and E.pnum= P.pnum and A.enum= E.enum and A.city='KAN';

OUTPUT:

	tnum			
1	t1			
2	t2			
3	t3			
4	t4			

Q7: DISPLAY THE DEPARTMENT NAME MANAGE BY EMPLOY NUMBER 'E3'.

Select dname from department D, employ E

Where d.mgenum=E.enum and E.enum='E3';

OUTPUT:

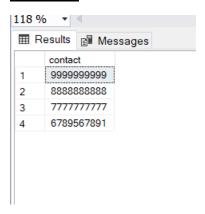


Q8: DISPLAY THE CONTACT OF MALE EMPLOY.

Select contact from adress A, employ E

Where A.enum=E.enum and E.sex='M';

OUTPUT:



END OF PROJECT.