Exp : 3.

Q Create a tables for company database as per ER diaguam of Exp L.

TABLE1 : Employee → Data

Table 2 : Department → Data
Foreign Key Join Tables.

Table 3 : Dept_locations → Data.
Table 4 : Project → Data
Table 5 : Work_on → Data
Table 6 : Dependent → Data

Table 1 : Construction
CREATE DATABASE company;
USE company;

CREATE TABLE employee (
(Fname VARCHAR (15) NOT NULL,
Minit CHAR,
Lname VARCHAR (15) NOT NULL,
Ssn CHAR (9) NOT NULL,
Bdate DATE,
Address VARCHAR (30),
SEX CHAR,
Salary DECIMAL (10, 2),
Super_Ssn CHAR (9),
Dno INT NOT NULL,
PRIMARY KEY Ssn,

Foreign KEY (Super-ssn) References EMPLOYEE (ssn),
FOREIGN KEY(Dno) REFRENCES DEPARTMENT (Dnumber),
]

INSERT into TABLE EMPLOYEE;
('JOHN', 'SMITH', '123456789', '1965-01-09', '731 FONDREN, HOUSTON
                                              TX', 'M', '30060',

'33344555', '5')
('FRANKLIN', 'WONG', '333445555', '1965-12-08', '638 Voss, HOUSTAN',
    'M', '40000', '888665555', '5'),
('ALICIA', 'ZELAYA', '999887777', '1968-01-19', employee
    '3321 Castle, Spring Tx', 'F', '25000', '987654321', '4'),
('JENNIFER', 'WALLACE', '987654321', '1968-06-20', '291, Berry,
Bellaire Tx', 'F', '43000', '888665555', '4'),
    ｜
    ｜
    ｜
('James', 'Borg', '888 8665555 5', '1937-11-10', '450 Stone, HOUSTAN
    'M', '55000', 'NULL', '1'),

CREATE TABLE DEPARTMENT;
[Dname VARCHAR (15) NOT NULL,
Dnumber INT NOT NULL,
Mgr-ssn CHAR (9) NOT NULL,
Mgr-start-date DATE,
PRIMARY KEY (Dnumber),
UNIQUE (Dname),

FOREIGN KEY (Mgr-ssn) REFRENCES EMPLOYEE (ssn);

]

SELECT EMPLOYEE. Fname. Lname. ssn char. Bdate DATE. SEX CHAR.
SALARY DECIMAL. Super_ssn CHAR (9), Dno. INT NOT NULL, PRIMARY KEY CSSn
Dnumber, Mgr_ssn. CHAR, FROM EMPLOYEE DEPARTMENT
INNER JOIN EMPLOYEE ON
Dnumber Super ssn = Eo Department. super_ssn = (9) CHAR
                          Employee. super_ssn (9) CHAR;

FNAME	LNAME	SSN	BDATE	ADDRESS	SEX	SALARY	SUPERSSN	DNO	DNAME	MGRSSSN	MGRSTARTDATE
John	Smith	123456789	1965-01-09	731 Fondren Houston TX	M	30000	333445555	5	Research	333445555	1988-05-22
Franklin	Wong	333445555	1965-12-08	638 Voss, Houston	M	40,000	888665555	5	Research	333445555	1988-05-22
Alicia	Zelaya	999887777	1968-01-19	3321 Castle, Spring TX	F	25000	888665555	4	Administration	987654321	1995-01
Jennie	Wallace	987654321	1941-06-20	291 Berry, Bellaire TX	F	43000	888665555	4	Administration	987654321	198..
Ramesm	Narayan	666884444	1962-09-15	975 fire oaks Humble TX	M	38000	888665555	5	Research	333445555	198..
Joyce	English	453453453	1972-07-31	5631, Rice Houston TX	F	25000	888665555	5	Research	333445555	
Ahmad	Jabbar	987987987	1969-03-29	980 Dallas, Houston Tx	M	25000	987654321	4	Admin	987654321 / 333445	
James	Borg	888665555	1937-11-10	450 Stone, Houston Tx	M	55000	888665555	1	Headquarters	888665555	