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Sub [CA3301]: Database Management System (Lab)
MCA – 3rd Semester
Department of computer Science and Engineering
National Institute of Technology, Jamshedpur

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Using the information, implement the schema using Transact SQL (show SQL statements for each table). Implement the constraints as well.

1. Create the table shown here in SQL and show the statements you used.

Table: Employee

EMPLOYEE	FNAME	MINIT	LNAME	SSN	BDATE	ADDRESS	SEX	SALARY	SUPERSSN	DNO
	John	B	Smith	123456789	1965-01-09	731 Fondren, Houston, TX	M	30000	333445555	5
	Franklin	T	Wong	333445555	1955-12-08	638 Voss, Houston, TX	M	40000	888665555	5
	Alicia	J	Zelaya	999887777	1968-07-19	3321 Castle, Spring, TX	F	25000	987654321	4
	Jennifer	S	Wallace	987654321	1941-06-20	291 Berry, Bellaire, TX	F	43000	888665555	4
	Ramesh	K	Narayan	666884444	1962-09-15	975 Fire Oak, Humble, TX	M	38000	333445555	5
	Joyce	A	English	453453453	1972-07-31	5631 Rice, Houston, TX	F	25000	333445555	5
	Ahmad	V	Jabbar	987987987	1969-03-29	980 Dallas, Houston, TX	M	25000	987654321	4
	James	E	Borg	888665555	1937-11-10	450 Stone, Houston, TX	M	55000	null	1

DEPARTMENT	DNAME	DNUMBER	MGRSSN	MGRSTARTDATE
	Research	5	333445555	1988-05-22
	Administration	4	987654321	1995-01-01
	Headquarters	1	888665555	1981-06-19

Perform the following:

1. Create company database

2. Viewing all databases

3. Viewing all Tables in a Database,

4. Creating Tables (With and Without Constraints)

5. Inserting/Updating/Deleting Records in a Table

6. Saving (Commit) and Undoing (rollback)

2. Consider Dept Table

DEPTNO	DNAME	LOC

Perform the following:

1. Rename the table dept as department

2. Add a new column PINCODE with not null constraints to the existing table DEPT

3. All constraints and views that reference the column are dropped automatically, along with the column.

4. Rename the column DNAME to DEPT_NAME in dept table

5. Change the data type of column loc as CHAR with size 10

6. Delete table