Assignment-1

1. Create the following tables.

EMP

| empno | numeric(4,0) |
|---|---|
| ename | character varying(10) |
| job | character varying(9) |
| mgr | numeric(4,0) |
| hiredate | date |
| sal | numeric(7,2) |
| comm | numeric(7,2) |
| deptno | numeric(2,0) |

Dept

| deptno | numeric(2,0) *NULL* |
|---|---|
| dname | character varying(14) *NULL* |
| loc | character varying(13) *NULL* |

Student

| roll | integer |
|---|---|
| name | character varying(100) |
| dob | date |
| cgpa | numeric(4,2) |
| dept_id | integer |

2. Alter the Student table and add 2 new columns

　Address　varchar(100)

　Zipcode　integer

3. Alter the Student table to increase the size of the columns Address and Zipcode in a single query.

4. Alter the table Student to rename the column Zipcode to pincode and see the changes.

5. Rename the table Student to Stud.

6. Alter the Em table to increase the size of the column empno to 10.
7. Drop the columns pincode and Address

8. Insert the following data into the emp, dept and student table.

| empno | ename | job | mgr | hiredate | sal | comm | deptno |
|---|---|---|---|---|---|---|---|
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 1981-02-22 | 1250.00 | 500.00 | 30 |
| 7566 | JONES | MANAGER | 7839 | 1981-04-02 | 2975.00 | NULL | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30 |
| 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 | 2850.00 | NULL | 30 |
| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 | 2450.00 | NULL | 10 |
| 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 | 3000.00 | NULL | 20 |
| 7839 | KING | PRESIDENT | NULL | 1981-11-17 | 5000.00 | NULL | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 1981-09-08 | 1500.00 | 0.00 | 30 |
| 7876 | ADAMS | CLERK | 7788 | 1983-01-12 | 1100.00 | NULL | 20 |
| 7900 | JAMES | CLERK | 7698 | 1981-12-03 | 950.00 | NULL | 30 |
| 7902 | FORD | ANALYST | 7566 | 1981-12-03 | 3000.00 | NULL | 20 |
| 7934 | MILLER | CLERK | 7782 | 1982-01-23 | 1300.00 | NULL | 10 |

Dept

| deptno | dname | loc |
|---|---|---|
| 10 | ACCOUNTING | NEW YORK |
| 20 | RESEARCH | DALLAS |
| 30 | SALES | CHICAGO |
| 40 | OPERATIONS | BOSTON |

| roll | name | dob | cgpa | dept_id |
|---|---|---|---|---|
| 1 | aaa | 2000-01-25 | 9.10 | 100 |
| 1 | bbb | 2000-01-26 | 9.10 | 100 |
| 3 | ccc | 2020-01-27 | 9.20 | 101 |
| 4 | ddd | 2000-01-26 | 9.10 | 100 |
| 1 | bbb | 2000-01-26 | 9.10 | 100 |
| 3 | ccc | 2020-01-27 | 9.20 | 101 |
| 4 | ddd | 2000-01-26 | 9.10 | 100 |