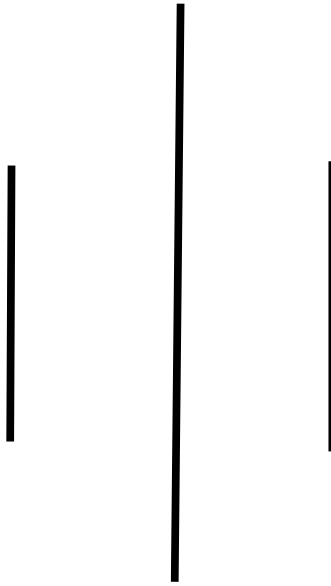# Deerwalk Institute Of Technology
Advance Database Management System

Lab: 2

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Q. Import multiple comma separated/pipe delimited file(with records of student) into 'student' table . Make sure duplicate records(if any) from next file recorded in separate table 'student_dup' maintaining only distinct records for each information in the student table

#database

```
use demo;
```

#temporary table to store data from csv file

```
create table temp(roll_id varchar(5), fname varchar(50), mname varchar(1), lname
varchar(50), gender varchar(6), address varchar(100), contact varchar(30),email
varchar(200));
```

#student table with clean and non duplicate data

```
create table student( roll_id varchar(5), fname varchar(50), mname varchar(1), lname
varchar(50), gender varchar(6), address varchar(100), contact varchar(30), email
varchar(200), primary key(roll_id));

create table student_dup( roll_id varchar(5), fname varchar(50), mname varchar(1),
lname varchar(50), gender varchar(6), address varchar(100), contact varchar(30), email
varchar(200), primary key(roll_id));
```

#imports student.csv to temp table

```
LOAD DATA LOCAL INFILE '/home/linuxsagar/Desktop/student.csv'
INTO TABLE temp
FIELDS TERMINATED BY ','
OPTIONALLY ENCLOSED BY '\"'
LINES TERMINATED BY '\n'
IGNORE 1 LINES;
```

#Insert duplicate data within raw data to student_dup

```
INSERT INTO student_dup
SELECT DISTINCT * FROM temp WHERE roll_id NOT IN (SELECT roll_id FROM student_dup)
AND roll_id IN
(SELECT roll_id FROM temp
GROUP BY roll_id
HAVING (COUNT(*) > 1)) ;
```

#Insert duplicate data in student table and raw data table to student_dup table

```
INSERT INTO student_dup SELECT * FROM temp
WHERE roll_id IN(SELECT roll_id FROM STUDENT)
AND roll_id NOT IN (SELECT roll_id FROM student_dup);
```

#Insert non duplicate data in student table

```
INSERT IGNORE INTO student SELECT * FROM temp;
```

#drop temporary table

```
DROP TABLE temp;
```