



Rajarata University of Sri Lanka
Faculty of Applied Sciences
Department of Computing
COM 1302 -Database Management System
Practical 04 Part 2

1. Consider the relational schema given below.
Supplier (Sno, Sname, status, city)
Parts (Pno, Pname, color, weight, city)
Supply(Sno, Pno, quantity)
2. Create the tables by applying appropriate constraints.
3. **Save three text files** to insert data to each tables **separately**. (Separate data using comma. An example is given in below figure)

```
File Edit Format View Help
"100","Steven","King","1993-06-07","Programmer",40000,10
"101","Neena","Kochchar","1994-06-20","Salesman",60000,20
"102","Lex","Hunold","1993-06-10","Manager",60000,10
"103","Alexander","Ernst","2000-08-20","Salesman",NULL,20
```

4. Upload data from a text file to the tables using LOAD command

```
LOAD DATA LOCAL INFILE "textfilepath/textfilename.txt"  
INTO TABLE tablename  
FIELDS TERMINATED BY ','  
OPTIONALLY ENCLOSED BY ''''  
LINES TERMINATED BY '\r\n';
```

5. Tables are given below.

Supplier

Sno	Sname	Status	City
S1	Smith	20	London
S2	Jones	10	Paris
S3	Black	30	Paris
S4	Clark	20	London
S5	Adams	30	Athens



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Parts

Pname	Color	Weight	City
Nut	Red	12	London
Bolt	Green	17	Paris
Screw	Blue	17	Rome
Screw	Red	14	London
Cam	Blue	12	Paris
Cog	Red	19	London

Supply

Sno	Pno	Quantity
S1	P1	300
S1	P2	200
S1	P3	400
S1	P4	200
S1	P5	100
S1	P6	100
S2	P1	300
S2	P2	400
S3	P2	200
S4	P2	200
S4	P4	300
S4	P5	400



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6. Write SQL queries for the followings. Use “Tee” command to export the command and the output to a text file.

TEE filepath\textfilename.txt

(Ex: TEE D:\Folder Name\ textfilename.txt)

- a) List Sno and Sname of suppliers whose status above 15.
- b) List the all cities in which parts are manufactured. (Remove duplicates from the answer).
- d) Deduct the status value by 2 for all suppliers.
- e) List all suppliers by arranging them in descending order by status.
- f) Display the parts numbers and quantity of each part which are having quantity value greater than 300.
- g) List all the parts which have the color ‘Red’ or ‘Blue’.
- h) List all the parts which have the color ‘Blue’ and city ‘Rome’.
- i) List all the parts except Blue.
- j) List all names of Suppliers whose names having ‘l’ as the second letter.
- k) Display name,city and weight of parts which are having weight between 12-17.