Database Systems

Labsheet-10

(Prof R Gururaj)

Students have created following tables with given constraints and inserted the data, in their Labshhet-6 itself.

Part

pid (int) PK	pname vc(10)	price (int)
101	Scale	30
104	Sketch	10
105	Tape	15
107	Pad	160
110	Ink	25
112	Pin	5
124	Chalk	120
135	Paper	80

Vendor

vid (int) PK	vname vc(10)	vloc vc(10)
3	Crown	Delhi
5	Topper	Delhi
7	Avon	Mumbai
11	Swan	Hyderabad
13	Rally	Chennai
15	Buddy	Chennai

Supply

pid (PK1 and FK to pid of Part)	vid(PK2 and FK to vid of Vendor)	Qty (int)
104	7	420
104	13	380
105	13	350
107	5	500
107	11	200
107	7	10
110	3	22
110	5	35
110	13	150
110	15	20
124	7	300
124	11	34
124	13	12

PK (pid, vid)

Now, write SQL statements for the following requirements.

1. Get pid, pname for those not supplied by any DELHI based vendor.

2. Get pid, pname which are supplied by all vendors from 'DELHI' or 'CHENNAI'.

3. Get vid, vname for those vendors not supplying   SCALE and PAD.

4. For each part get pid, pname and number of   vendors supplying it.

5. Get vid and vname for those vendors supplying SKETCH, PAD and CHALK

6. For each part get pid, pname and total quantity supplied by all vendors together.

7. Get vendor id , vname if they are supplying only one part.

8. Get vid, vname for those supplying any part with part-name starting with 'P' and string length is 3.

Exercises on PL/SQL

1. Write a PLSQL stored procedure that prints the price of a part whose partid is given as the IN parameter to the procedure.

2. Write a stored procedure that prints the names of the vendors supplying a part whose partid is given as the IN parameter.

3. Write a trigger on SUPPLY table after insert, that prints the total quantity supplied by all vendors for the part recently inserted.

*****