

# Database Systems

## Labsheet-6

(Prof R Gururaj)

Create following tables with given constraints and insert the data.

### Part

<b><i>pid</i></b> ( <i>int</i> ) PK	<b><i>pname</i></b> vc(10)	<b><i>price</i></b> ( <i>int</i> )
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### Vendor

<b><i>vid</i></b> ( <i>int</i> ) PK	<b><i>vname</i></b> vc(10)	<b><i>vloc</i></b> vc(10)
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### Supply

<b><i>pid</i></b> (PK1 and FK to pid of Part)	<b><i>vid</i></b> ( PK2 and FK to vid of Vendor)	<b><i>Qty</i></b> ( <i>int</i> )
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PK (pid, vid)

**Write SQL statements for the following requirements.**

1. Get pid, pname for those not supplied by any vendor.
2. Get pid, pname which are supplied by all vendors from 'DELHI'.
3. Get for Delhi based vendor vid and name if they supply at least 3 parts.
4. Get vid, vname for those vendors not supplying any/some part with price greater than 100.
5. For each part get pid, pname and number of 'Chennai' based vendors supplying it.

6. Get vid and vname for those vendors supplying all parts price greater than 100.

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

8. Get vendor id , vname if they are supplying at least 3 parts.

9. Get vid, vname for those supplying part 'Pad'.

10. Get vid, vname for those supplying at least one part in qty greater than 250.

11. Get vid, vname and number parts they supply with qty greater than 100.

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