

## Lab sheet 08

### Question 01

Has computer

<u>staffNo</u>	computerNo	manufacturer	cost
100	C1,C2	Dell,HP	1 lakh, 2lakh
200	C3	HP	4lakh

1. The above table contain three multi-value attributes. They are **computerNo**, **manufacturer** and **cost**. These multi-value attribute will create data anomalies when updating and deleting data in the table.

2. Has computer

<u>staffNo</u>	<u>computerNo</u>	manufacturer	cost
100	C1	Dell	1 lakh
100	C2	HP	2 lakh
200	C#	HP	4 lakh

(1 NF)

Staff

<u>staffNo</u>	<u>computerNo</u>
100	C1
100	C2
200	C3

Computer

<u>computerNo</u>	manufacturer	cost
C1	Dell	1 lakh
C2	HP	2 lakh
C3	HP	3 lakh

(2 NF)

(3 NF)

Staff (staffNo, computerNo)

Computer (computerNo, manufacturer, cost)

- Above two tables already in 3<sup>rd</sup> Normal form.