**NORMALIZATION & DEPENDENCIES**

**Buy**: (name,ID,Add,cont no,name,ID,company,price)

1NF → c\_contact is a multivalued Attribute

2NF → C\_name, C\_ID, C\_add, C\_Contact

P\_name, P\_ID, company, price

3NF → C\_name, C\_ID, C\_Add, C\_Contact

P\_name, P\_ID, company, price

Table list:

1. C\_name, C\_ID, C\_add
2. P\_name, P\_ID, company, price
3. B\_id, C\_ID , P\_ID
4. C\_id, c\_contact

**Supply**: (P\_name,P ID, company, price,S\_name, S\_ID, S\_Add, S\_contact)

1NF→ S\_contact is a multivalued attribute

2NF→ P\_name, P\_ID, company, price,

S\_name, S\_ID, s\_add, S\_contact

3NF→ P\_name, P\_ID, company, price

S\_name, S\_ID, S\_add, S\_contact

Table list:

5. P\_name,P\_ID, company, price

6. S\_name, S\_ID, S­\_Add, S\_contact

7. Sup\_ID, p\_id , s\_id

8. S\_id, s\_contact

**GET:** (name, id, add, cont,R\_id,p\_name, quantity, price, total amount)

1NF→ c\_contact is a multivalued attribute.

2NF→ c­\_name,C\_id,C\_add,C\_contact

R\_id, P\_name, quantity, price, total\_amount

3NF→ c\_name, C\_id, c\_add, C\_conatct

R\_id,P\_name

P2\_id, quantity, price, total\_amount

TABLE LIST:

9. C\_name, C\_id, C\_add, r\_id

10. r\_id, p\_name, P2\_id

11. P2\_id, quantity,price, total\_amount

12. c\_id, c\_contact

**TAKE:** (s\_name, s\_id, s\_add, S-contact, O\_id,O\_date, d\_date, P\_id,S\_id)

1NF→ S\_contact is a multivalued attribute

2NF→ s\_name, S\_id, s\_add, s\_contact

O\_id,O\_date, d\_date, P\_id,S\_id

3NF→ o\_id, o\_date, d\_date

Os\_id, p\_id, s\_id

s\_name, S\_id, s\_add, s\_contact

TABLE LIST:

13. s\_name, s\_id, s\_add

14. o\_id, o\_date, d\_date, os\_id

15. os\_id, p\_id , s\_id

16. t\_id, s\_id , o\_id

17. s\_id, s\_contact

**SERVE:** (c\_name, c\_id, c\_add, c\_contact, e\_name, e\_id, sal, e\_contact, designation)

1NF→ c\_contact is a multivaled attribute

E\_contact is a multivaled attribute

2NF→ c\_name, c\_id, c\_add, c\_contact

e\_name, e\_id, sal, e\_contact, designation

3NF→ c\_name, c\_id, c\_add, c\_contact

e\_name, e\_id, sal, e\_contact, designation

TABLE LIST:

18. c\_name, c\_id, c\_add, e\_id , R\_id

19. e\_name, e\_id, sal, designation

20. c\_id, c\_contact

21. e\_id, e\_conatct

**GIVE**: (e\_name, e\_id, sal, e\_contact, designation, o\_id, o\_date, d\_date, p\_id, s\_id)

1NF→ e\_contact is a multicvalued attribute.

2NF→ e\_name, e\_id, sal, e\_contact, designation

o\_id, o\_date, d\_date, p\_id, s\_id

3NF→ o\_id, o\_date, d\_date

Os\_id, s\_id, P\_id

e\_name, e\_id, sal, e\_contact, designation

TABLE LIST:

22. o\_id, o\_date, d\_date, os\_id , e\_id

23. os\_id, p\_id , s\_id

24. e\_name, e\_id, sal, designation

25. e\_id, e\_contact

**GIVE:** (R\_id, p\_name, quantity, price, total\_amount, e\_name, e\_id, sal,e\_contact, designation)

1NF→ e\_contact is a multivalued attribute

2NF→ R\_id, p\_name, quantity, price, total\_amount

e\_name, e\_id, sal,e\_contact, designation

3NF→ R\_id, p\_name

P2\_id, quantity, price, total\_amount

e\_name, e\_id, sal,e\_contact, designation

TABLE LIST**:**

26. r\_id, p\_name, P2\_id , e\_id

27. P2\_id, quantity, price, total\_amount

28. e\_name, e\_id, sal, designaton

29. e\_id, e\_contact