**FUNCTIONAL DEPENDECY BEFORE NORMALIZATION**

1. STUDENT

Student\_id -> Name, Date of Birth, Mobile No, Department, Year of Study

1. ROOM

Room no -> Room type, Capacity, Vacancy, Floor, No of accommodates

1. ATTTENDANCE

Student\_id -> No\_of\_days, Date, Status, In time, Out time

1. COMPLAINT

Complaint\_ID -> Student\_id,Description,Date,Status,Room\_no

1. FEES

Transaction\_ID -> Student\_id , Total fee, Date, Status, Mode of Payment

1. EXPENSE

Expense\_ID->Amount,Date

1. STAFF

Staff\_ID->Name,Category,Mobile\_No,Salary

1. HOSTEL STORE

Store\_ID-> Revenue, Profit,Date, Cost of Purchase

1. PURCHASE RECORD

Bill\_No->Date,Mode\_of\_Payment,Items Purchased,Amount

1. HOSTEL

Hostel\_ID->Hostel Name

1. MESS

Mess\_ID->Hostel\_ID,Menu

1. HOSTEL EXPENSE

Expense\_ID->Type,Description

1. MESS EXPENSE

Expense\_ID->Item,Quantity

1. HOSTEL FEES

Transaction\_ID->No\_of\_days present,Amount

1. MESS FEES

Transaction\_ID->No\_of\_days used,Amount

The below mentioned tables are already in 3NF:

1. STUDENT
2. STAFF
3. ROOM
4. HOSTEL
5. EXPENSE
6. MESS EXPENSE
7. HOSTEL EXPENSE
8. PURCHASE RECORD
9. MESS FEES
10. HOSTEL FEES

These tables are already in 1NF,2NF and 3NF form

**FUNCTIONAL DEPENDECY AFTER NORMALIZATION**

1. ATTENDANCE

(Student\_id, Date) -> No\_of\_days, Status, In time, Out time

1. HOSTEL STORE

(Store\_ID,Date)-> Revenue ,Profit , Cost of Purchase

1. COMPLAINT

Complaint\_ID -> Student\_ID,Description,Date,Status

Student\_id->Room\_no