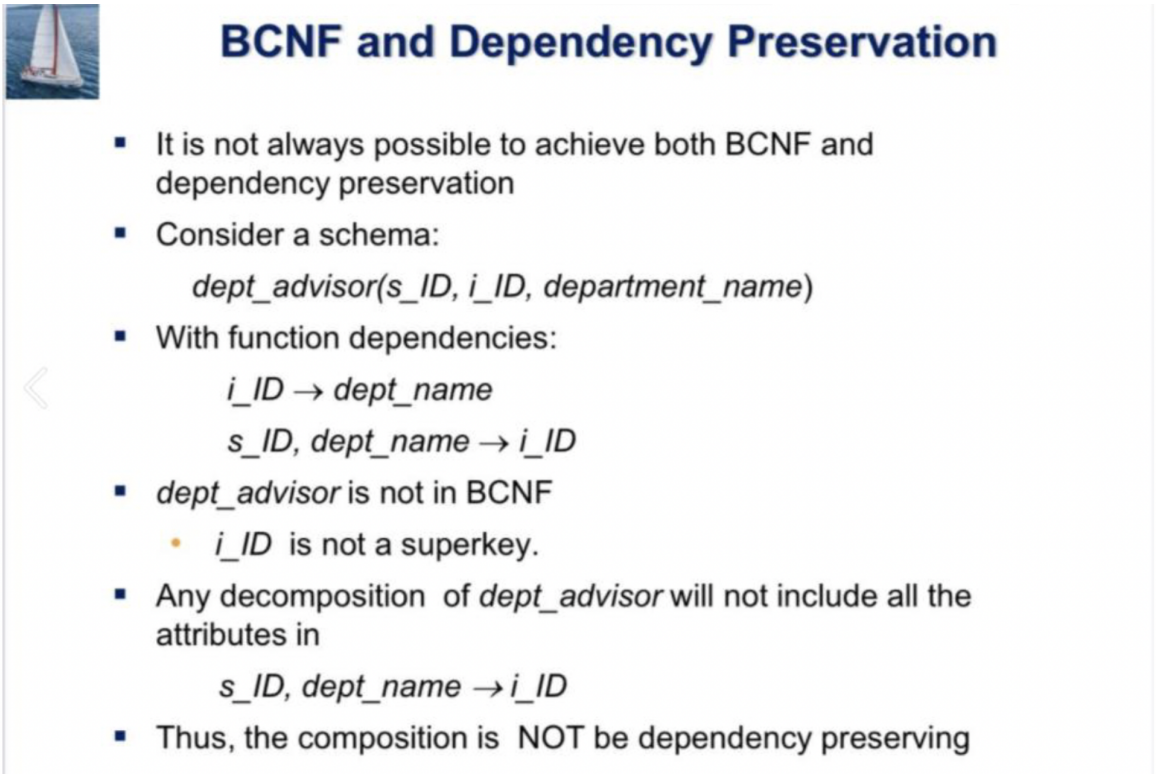
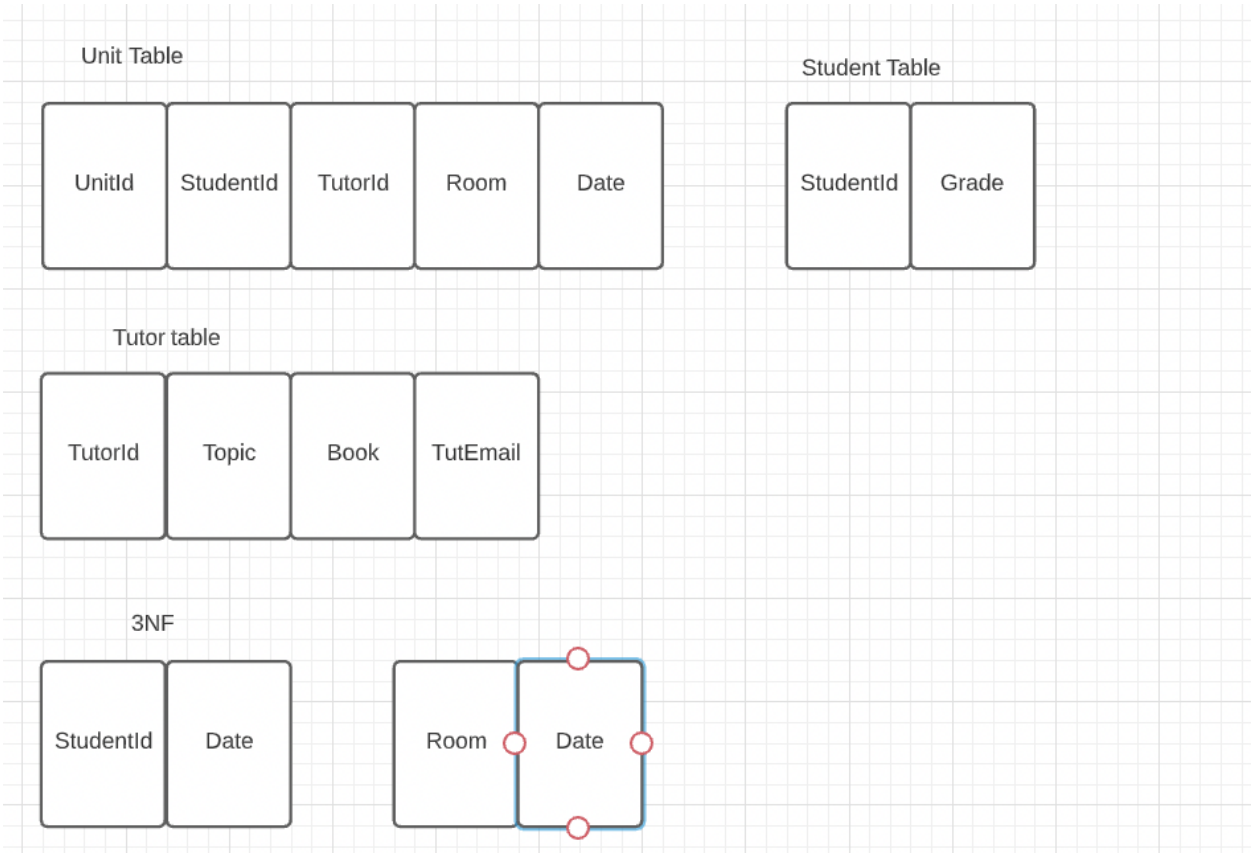
Database lab5

1. In BCNF, every non prime attribute should be functionally dependent on any of super key in schema.

   If there exists any FD, which don't follow this, then for that case we have to separate it into new relation. Now if any of other FD uses previous FD, Then this creates non preservation of FD in BCNF.



2.


Unit Table
UnitId
StudentId
TutorId
Room
Date
Student Table
StudentId
Grade
Tutor table
TutorId
Topic
Book
TutEmail
3NF
StudentId
Date
Room
Date

3.

Project Name	Budget	Team Size
Project 1	1 kk	15
Project 2	1.5 kk	12

Project Manajer	Position
Manager 1	CTO1
Manager 2	CTO2

Project Name	Project Manager
Project 1	Manager 1
Project 2	Manager 2

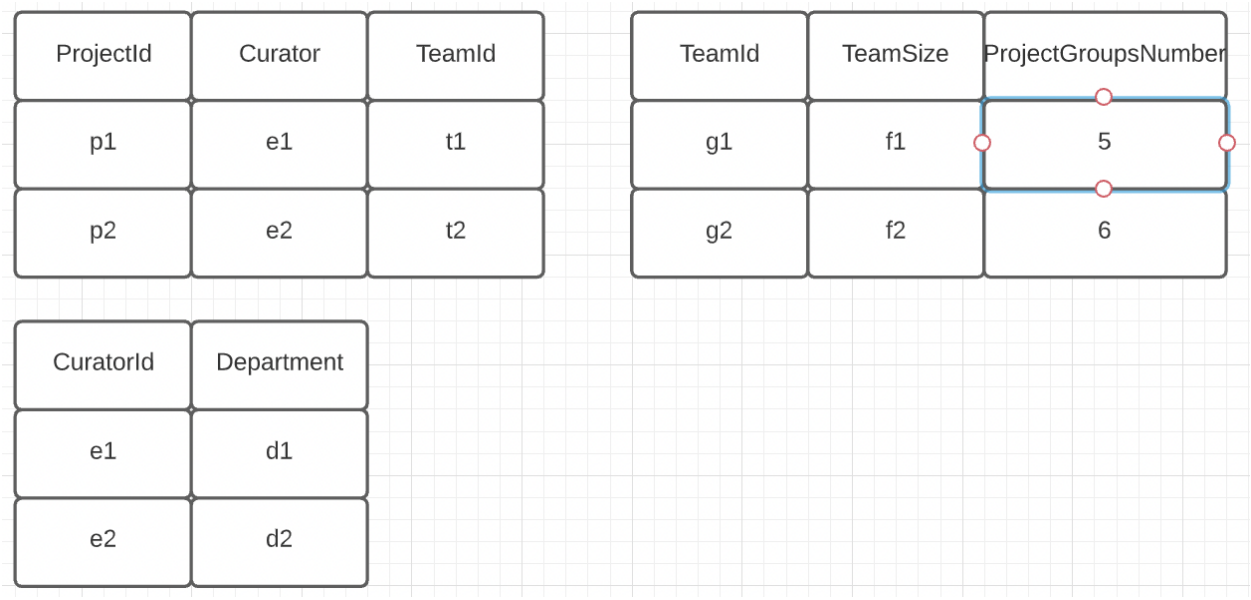
4.

3rd Normal Form

Group	Faculty
g1	f1
g2	f2

Speciality	Faculty
s1	f1
s2	f2

5.


ProjectId
Curator
TeamId
p1
e1
t1
p2
e2
t2
TeamId
TeamSize
ProjectGroupsNumber
g1
f1
5
g2
f2
6
CuratorId
Department
e1
d1
e2
d2