

I have covered 1NF, 2NF, 3NF, material on decomposition of relations to 3rd normal form.

Lossless join and decomposition preservation ( definition, algorithms)

Equivalent and Minimal set of dependencies.

In particular, please go over the examples in the handout from Ulland's book

[https://www.cs.purdue.edu/homes/bb/CS348-F13/other\\_handouts/design\\_theory.pdf](https://www.cs.purdue.edu/homes/bb/CS348-F13/other_handouts/design_theory.pdf)

Normalization and lossless joins and FD preservations

We have covered the six rules for dependencies and how to use them for computing closure of functional dependencies ( F+)