

CS 338
Lecture 17
Normalization - Part 1
Outline

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Outline

1. Why redundancy is trouble
 - 1.1 Update anomaly and NULL
2. Functional Dependency
 - 2.1 How to use key and FD to decide whether a design is good
3. Decomposition
4. Three main goals of schema refinement
 - 4.1 How to check whether a decomposition is lossless
 - 4.2 How check for FD preserving
 - 4.3 How to check for minimal redundancy
5. Different normal forms and BCNF