

# Hash Table

March 30 2009

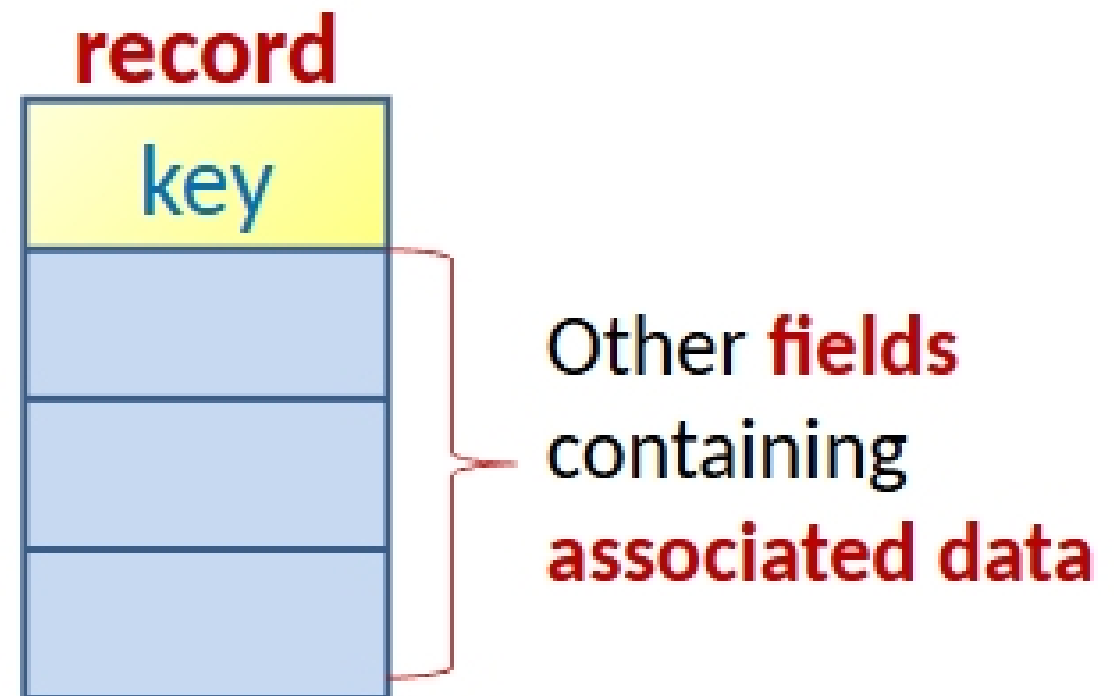
COP 3502, UCF

# Outline

- Hash Table:
  - Motivation
  - Direct Access Table
  - Hash Table
- Solutions for Collision Problem:
  - Open Addressing:
    - Linear Probing
    - Quadratic Probing
    - Dynamic Table Expansion
  - Separate Chaining

# Motivation

- We have to store some records and perform the following:
  - add new records
  - delete records
  - search a record by key



- Find a way to do these efficiently!