

CSE 414: Section 7, BCNF Worksheet

Problem 1. We are keeping a collection of people who use our astronomical services, to help predict your personality by your hobbies.

R(pid, name, address, hobby, horoscope, birthday, personality)

pid -> name, address, birthday

birthday -> horoscope

hobby -> personality

Problem 2. Every department store has departments. Each department has a name, a type, and an interior design. Each store also has (possibly multiple) floor levels, and each level has a theme (for example: children's, or shoes.)

R(level, theme, deptName, deptType, deptDesign)

level -> theme

deptName, deptType -> deptDesign