Chapter 1: Redundancy Assignment

1. Name of List: EMPLOYEE

Column Headings:

(EmployeeName, DateOfHire, EmployeePhone, EmployeeAddress, DepartmentName, DepartmentManager, DepartmentPhone, DepartmentAddress)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Employee**  **Name** | **Dateof**  **Hire** | **Employee**  **Phone** | **DepartmentName** | **Department**  **Manager** | **Department**  **Phone** | **Department**  **Location** |
| Sean | 1/1/2012 | 678-111-1111 | Human Resources | Henry | 770-111-1111 | R1213 |
| Jacob | 5/1/2013 | 678-222-2222 | Information Systems | John | 770-222-2222 | H2299 |
| Jason | 9/1/2010 | 678-111-1112 | Operations | Jake | 770-333-3333 | F1111 |
| Henry | 12/1/2011 | 678-222-2223 | Information Systems | John | 770-222-2222 | H2299 |
| Morgan | 6/1/2008 | 678-111-1113 | Operations | Jake | 770-333-3333 | F1111 |

1. For the list provided, indicate the number of themes you think the list includes and give an appropriate name for each theme.
2. Show at least one modification problem that will occur when inserting, updating, or deleting data in the given list. Briefly talk about the problem with examples.
3. Break up the columns into tables such that each table has a single theme. Add ID columns if necessary, and add a linking column (or columns) to maintain the relationship between the themes. Give proper names to the final tables.