**Ch1-ModProb**

**Homework:** Modification Problems - Due \_\_\_ \_\_ \_\_\_ Before Class

Create a table or spreadsheet containing data about two different themes (other than pets and owners). Each theme should have at least three columns, so the table will have at least six columns. Enter at least three rows of data into the table. The data should cause the following modification problems:

**Problem 1: Enter data that causes an insert problem. Explain what the data is and how it causes the problem.** On line 4, Wanda Maximoff was sent a pre-approved offer. Since she hasn’t responded to the offer an account number has not been assigned to her.

**Problem 2: Enter data that causes an update problem. Explain what the data is and how it causes the problem.** On line 2, Julia recently changed her name after marriage. But this was only changed on the most recent account that she opened.

**Problem 3: Enter data that causes a delete problem. Explain what the data is, and how it causes the problem.** Line 5 was deleted, because the customer closed their account. Unfortunately, this was the only account Michael Richards opened and his data was lost since he only appears once in the list.

(You may also enter other rows of data that do not cause any problems.)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **SocialSecurityNumber** | **FirstName** | **LastName** | **AccountNumber** | **RepName** | **DateOpened** |
| 1 | 111-11-1111 | Natasha | Romanoff | 123456 | Julia Louis | 7-2-19 |
| 2 | 222-22-2222 | Steve | Rogers | 654321 | Julia Louis-Dreyfus | 8-5-19 |
| 3 | 333-33-3333 | Peter | Parker | 162534 | Jerry Seinfeld | 8-8-19 |
| 4 | 444-44-4444 | Wanda | Maximoff |  |  |  |
| ~~5~~ | ~~555-55-5555~~ | ~~Pietro~~ | ~~Maximoff~~ | ~~615243~~ | ~~Michael Richards~~ | ~~8-11-19~~ |