|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **STU\_ID** | **STU\_NAME** | **CLASS\_CODE** | **CLASS\_NAME** | **CLASS\_CREDHRS** | **INSTR\_NAME** | **CLASS\_DAYS** | **CLASS\_TIMES** | **ROOM** |
| 1891058 | Turner Barnett | CIS 310-02 | CIS 310 | 3 | Jian Guan | MW | 1:00 - 2:15 | Business 008 |
| 1891058 | Turner Barnett | MKT 301-02 | MKT 301 | 3 | Charles Sharp | MW | 2:30 - 3:45 | Business 106 |
| 1891058 | Turner Barnett | PHIL 321-02 | PHIL 321 | 3 | Nancy Potter | TTh | 1:00 - 2:15 | Humanities Building 108 |
| 1891058 | Turner Barnett | CIS 200-01 | CIS 200 | 3 | Andrew Wright | TTh | 2:30 - 3:45 | Business 008 |
| 2409692 | Nicholas Bolton | MATH 180-07 | MATH 180 | 3 | W. Zeng | MWF | 8:00 - 8:50 | NS Building 112 |
| 2409692 | Nicholas Bolton | ANTH 204-03 | ANTH 204 | 3 | D. Hoefer | MWF | 11:00 - 11:50 | Davidson 108 |
| 2409692 | Nicholas Bolton | CIS 300-08 | CIS 300 | 3 | Brain Dos Santos | TTh | 2:30 - 3:45 | Business 003 |
| 2409692 | Nicholas Bolton | ACCT 202-03 | ACCT 202 | 3 | Mark Smith | TTh | 4:00 - 5:15 | Business 205 |
| 5052333 | Joseph Morrison | CLAW 301-02 | CLAW 301 | 3 | Mark Smith | MW | 1:00 - 2:15 | Business 205 |
| 5052333 | Joseph Morrison | BUS 301-03 | BUS 301 | 3 | Jenna Haugen | MW | 2:15 - 3:45 | Business 201 |
| 5052333 | Joseph Morrison | CIS 350-02 | CIS 350 | 3 | Warren McIntosh | TTh | 1:00 - 2:15 | Business 008 |
| 5052333 | Joseph Morrison | CIS 200-01 | CIS 200 | 3 | Andrew Wright | TTh | 2:30 - 3:45 | Business 008 |

C.

1. Data redundancy occurs when the data is used in many different sources when it does not need to be stored in those sources. Like explained in the textbook, most of the data related to the agent in Figure 1.6 is redundant because there is already an agent file that contains all of that necessary information.

2. In the student schedule data table, an example of an update anomaly would be if the room Business 008 was no longer suitable for classes to have session in. You would have to update every class on the table that takes place in Business 008 to something different.