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CIS 310-02

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Week 1 Homework

1. The file contains 7 records and 5 fields per record.
2. City is in the MANAGER\_ADDRESS column. The best way to fix this is to add a separate column for City.
3. You would add a column for each of the following. You could either do this from the source or write a query that breaks up the column into the required fields.
4. The data seems to be structured pretty well, I would add an id though for each row, it just makes things easier. Also, there are repetitions of the same project manager. A group by would help to put all instances of the same person next to each other.
5. Each project number has several records. You can fix this by adding an id in a new field or group the data in different ways. There is a one-to-many relationship within the file and this needs to be managed.

11. a. b.



c. There is no real primary key here, a great primary key would be the student id. Most of the data here is repeated. If this was set up correctly all of this could be done with 3 records.