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CIS 310-01

Assignment 3

p. 110 Exercises 1-4

1. For the EMPLOYEE table, the primary key is EMP_CODE, and the foreign key that also exists in the table is STORE_CODE. For the STORE table, the primary key in this case is the STORE_CODE, and the foreign keys that exist are EMP_CODE and REGION_CODE. For the REGION table, the primary key is REGION_CODE, and there is no foreign key that exists in this table so "None."
2. Yes, all of the tables exhibit entity integrity because their primary key columns are free of null entries and all entries are unique.
3. Only the EMPLOYEE and STORE tables exhibit referential integrity because they both contain foreign keys that link entries from one table to another table. The REGION table in this case does not exhibit referential integrity because it does not contain any foreign keys, so it's Not Applicable.
4. Each store can only be in one and only one region, and a region can have zero or more stores.