

CSCI-UA.60-1 Class Exercises on SQLite (FALL, 2019)

```
/* CSCI-UA.60-1
Data source:
http://www.census.gov/geo/maps-data/data/gazetteer2010.html */
```

```
/* Data Description from the US Census:
```

Column	Label	Description
Column 1	USPS	United States Postal Service State Abbreviation
Column 2	GEOID	Geographic Identifier
Column 3	NAME	Name
Column 4	LOGRADE	Lowest Grade Provided
Column 5	HIGRADE	Highest Grade Provided
Column 6	POP10	2010 Census population count.
Column 7	HU10	2010 Census housing unit count.
Column 8	ALAND	Land Area (square meters)
Column 9	AWATER	Water Area (square meters)
Column 10	ALAND_SQMI	Land Area (square miles)
Column 11	AWATER_SQMI	Water Area (square miles)
Column 12	INTPTLAT	Latitude (decimal degrees)
Column 13	INTPTLONG	Longitude (decimal degrees)

Columns 12 and 13: First character is blank or "-" denoting East or West longitude respectively.

```
*/
```

```
DROP TABLE IF EXISTS sd;
CREATE TABLE sd (
    sd_state text,
    sd_geoid text,
    sd_name text,
    sd_lowestGrade text,
    sd_highestGrade text,
    sd_pop_2010 integer,
    sd_hu_2010 integer,
    sd_aland real,
    sd_ewater real,
    sd_aland_sqmi real,
    sd_ewater_sqmi real,
    sd_intptlat real,
    sd_intptlong real,
    PRIMARY KEY(sd_geoid)
) ;
```

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```
/* CSCI-UA.60-1 */
```

```
DROP TABLE IF EXISTS books;
```

```
CREATE TABLE books (  
    title text NOT NULL,  
    author text,  
    year_written integer,  
    edition text,  
    price real,  
    purchaseDate text,  
    PRIMARY KEY(title)  
);
```

```
INSERT INTO books VALUES ("Sense and Sensibility", "Austen, Jane", 1814, "Penguin", 18.2, "2011-12-01");  
INSERT INTO books VALUES ("War and Peace", "Tolstoy, Leo", 1865, "Penguin", 12.7, "2009-03-31");  
INSERT INTO books VALUES ("Anna Karenina", "Tolstoy, Leo", 1875, "Penguin", 13.5, "2010-02-25");  
INSERT INTO books VALUES ("Mrs. Dalloway", "Woolf, Virginia", 1925, "Harcourt Brace", 25, "2014-01-10");  
INSERT INTO books VALUES ("The Hours", "Cunnnningham, Michael", 1999, "Harcourt Brace", 12.34, "2012-11-08");  
INSERT INTO books VALUES ("Huckleberry Finn", "Twain, Mark", 1865, "Penguin", 5.76, "2012-02-29");  
INSERT INTO books VALUES ("Bleak House", "Dickens, Charles", 1870, "Random House", 5.75, "2009-10-31");  
INSERT INTO books VALUES ("Tom Sawyer", "Twain, Mark", 1862, "Random House", 25.0, "2009-09-20");  
INSERT INTO books VALUES ("A Room of One's Own", "Woolf, Virginia", 1922, "Penguin", 29, "2013-11-30");  
INSERT INTO books VALUES ("Harry Potter", "Rowling, J.K.", 2000, "Harcourt Brace", 19.95, "2014-01-01");  
INSERT INTO books VALUES ("One Hundred Years of Solitude", "Marquez", 1967, "Harper Perennial", 14.00, "2013-03-01");  
INSERT INTO books VALUES ("Hamlet, Prince of Denmark", "Shakespeare", 1603, "Signet Classics", 7.95, "2013-09-24");  
INSERT INTO books VALUES ("Lord of the Rings", "Tolkien, J.R.", 1937, "Penguin", 27.45, "2013-09-25");  
INSERT INTO books VALUES ("Der Steppenwolf", "Hesse, Herman", 1928, "Fischer Verlag", 95, "2015-02-03");  
INSERT INTO books VALUES ("The Great Gatsby", "Fitzgerald, F. Scott", 1925, "Penguin", 12.00, "2015-02-11");  
INSERT INTO books VALUES ("Don Quixote", "Cervantes", 1605, "Penguin", 25.00, "2015-07-21");
```