

Geocoder

A utility for determining the latitude and longitude for locations both inside and outside of the US.

Installation

You will need both the geocoder-sqlite.zip and geocoder_db.zip files for the tool to function. Extract the contents of both archives into a single directory of your choice.

Dependencies

This version of the geocoder uses SQLite as a basic in-memory database and requires the sqlite3 and FasterCSV gems to function properly.

Usage

Syntax: `ruby geocode.rb <city || location> <state || country>`

Provide the city/location and the 2-letter abbreviation of the state (if in the US) or country (if outside the US) in which it is located as arguments to the tool. Note that cities with multiple words must be quoted. Due to the normal convention of placing a comma between the city and state/country, this is also allowed. If the location is known, the tool will print the latitude and longitude associated with the given location to the terminal. It may take several seconds for the geocoder to complete a query.

Valid Examples:

```
>ruby geocode.rb Cullowhee NC  
(Cullowhee, NC) : (35.3137111, -83.1765333)
```

```
>ruby geocode.rb "Salt Lake City" UT  
(Salt Lake City, UT) : (40.7607794, -111.8910474)
```

```
>ruby geocode.rb "Washington D.C.", US  
(Washington D.C., US) : (38.8951118, -77.0363658)
```

```
>ruby geocode.rb Moscow, RU  
(Moscow, RU) : (55.7522222, 37.6155556)
```

```
>ruby geocode.rb Tokyo JP  
(Tokyo, JP) : (35.6895265930799, 139.691677093506)
```