

# User Instructions

## Loading

- Load files which contain .csv files
- Requires: no duplicated file name across different folders.
- Requires: ".csv" must be lowercase
- Input directories, which contains files that you want to load.
- Supports relative directory ( using . ) and absolute directory.
- Commas are required between Inputted directories.

## Commands

- Standard SQL commands:
  - SELECT FROM WHERE\*
  - INSERT INTO VALUES
  - DELETE FROM WHERE\*
  - UPDATE SET WHERE\*
- Commands must be capitalized. \* means optional
- Standard SQL syntax/semantics for above commands:
  - Title, value, column names are case sensitive.
  - Number of values and columns provided to UPDATE must match.
  - etc.
- No support for:
  - Use of []
  - Any title, value, column name with consecutively 2+ spaces. e.g. "Last    Name"
  - Column name with [,]
  - No space in bi-relation. "x>0" must be written as "x > 0" and etc.
  - Greater than written as "> =" or similar separation of style
  - Adding a space after a comma e.g. "a, b" is "["a],[ b]" not "["a],[b]"
  - The use of <, <=, >, >= on any datatype but int.
  - Order By with multiple columns

## Quit

- Type "Quit"/"quit" to quit the system

# Examples

## Loading:

```
./data-example, ./data-COVID
```

## Commands:

```
SELECT * FROM example1
```

```
SELECT Date, US FROM key-countries WHERE US > 1000000 AND China > 80000 OR China < 1000 ORDER BY US DESC
```

```
INSERT INTO example3 (Letter, Word) VALUES (D,Four)
```

```
INSERT INTO example3 VALUES (E,Five)
```

```
UPDATE example3 SET Letter = G, Word = Seven WHERE Letter = A
```

```
DELETE FROM us-states WHERE deaths = 0
```

```
DELETE FROM example3
```