## Go - Data Loader

Write a program that meets the following requirements:

- 1. Command-line Arguments:
- -source-dir: The path to the directory to read files from
- -out-file: The path to the file to write the final data to
- -ignore-duplicates: Whether or not to ignore duplicate keys
- 2. Logic:
- Parse the source directory and load any file (single level directory, does not need to traverse subdirectories)
  - Assume all files are valid JSON
  - If the source directory is not found, exit with an error:
    - Code: 10
    - Message: Source directory not found
- Load the data for each file found in the source directory, and store in memory
  - If ignore\_duplicates is true, any duplicate data will be ignored
  - If ignore\_duplicates is false (default), any duplicate data will raise an exception causing the program to exit with an error
    - Code: 20
    - Message: Duplicate data found
- If no errors are encountered, write the final resulting data as JSON to the out\_file path which contains all of the loaded data (without duplicates)

Sample JSON Data File:

```
1 {
       "data" : [
 2
 3
 4
               "id" : 100,
 5
                "first_name" : "John",
               "last name" : "Doe"
 6
 7
           },
8
 9
                "id": 101,
                "first_name" : "Jane",
10
               "last name" : "Doe"
11
           },
12
13
           {
14
               "id": 102,
```

```
15 "first_name": "Jackson",
16 "last_name": "Doe"
17 }
18 ]
19 }
```

## Example Execution: