Group 5
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CSCI 331
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Test Data

1. Input file: us_postal_codes.csv
   Zipcode searched: 501

```
Enter the file name you would like to use or type <cr> to use the default file: us_postal_codes.csv
Using file: us_postal_codes.csv
Do you want to generate a PKI(0) or serach a PKI(1) or Generate a Column Randomized CSV from an Ordered One(2)1
Zipcode Found!
info:      ZipCode '501'
         Placename 'Holtsville'
             State 'NY'
            County 'Suffolk'
               Lat '40.8154'
              Long '-73.0451'
Would you like to try another file? Type 'end' to exit the program: end
```

Explanation: The information associated with the primary key (Zipcode) 501 was found and returned.

2. Input file: us_postal_codes.csv
   Zipcode searched: 9999

```
[ta9983ry@csci4 Project4]$ ./test -Z9999
Enter the file name you would like to use or type <cr> to use the default file: us_postal_codes.csv
Using file: us_postal_codes.csv
Do you want to generate a PKI(0) or serach a PKI(1) or Generate a Column Randomized CSV from an Ordered One(2)1
Zipcdoe 9999 was not found within this file!
Would you like to try another file? Type 'end' to exit the program: end
```

Explanation: The information associated with the primary key (Zipcode) 9999 was not found and an error message was returned.

3. Input file: us_postal_codes_COLUMN_RANDOMIZED.csv
   Zipcode searched: 9999

```
[ta9983ry@csci4 Project4]$ ./test -Z9999
Enter the file name you would like to use or type <cr> to use the default file: us_postal_codes_COLUMN_RANDOMIZED.csv
Using file: us_postal_codes_COLUMN_RANDOMIZED.csv
Do you want to generate a PKI(0) or serach a PKI(1) or Generate a Column Randomized CSV from an Ordered One(2)1
Zipcdoe 9999 was not found within this file!
Would you like to try another file? Type 'end' to exit the program: end
```

Explanation: The information associated with the primary key (Zipcode) 9999 was not found in the column reordered CSV file and an error message was returned.

4. Input file: us_postal_codes_ROWS_RANDOMIZED.csv
    Zipcode searched: 96737

```
[ta9983ry@csci4 Project4]$ ./test −Z96737
Enter the file name you would like to use or type <cr> to use the default file: us_postal_codes_ROWS_RANDOMIZED.csv
Using file: us_postal_codes_ROWS_RANDOMIZED.csv
Do you want to generate a PKI(0) or serach a PKI(1) or Generate a Column Randomized CSV from an Ordered One(2)1
Zipcode Found!
info:      ZipCode '96737'
         Placename 'Ocean View'
             State 'HI'
            County 'Hawaii'
               Lat '19.1002'
              Long '−155.726'
Would you like to try another file? Type 'end' to exit the program: end
```

Explanation: The information associated with the primary key (Zipcode) which is 96737 was found and returned.

5. Input file: us_postal_codes_ROWS_RANDOMIZED.csv
    Zipcode searched: 0

```
[ta9983ry@csci4 Project4]$ ./test −Z0
Enter the file name you would like to use or type <cr> to use the default file: us_postal_codes_ROWS_RANDOMIZED.csv
Using file: us_postal_codes_ROWS_RANDOMIZED.csv
Do you want to generate a PKI(0) or serach a PKI(1) or Generate a Column Randomized CSV from an Ordered One(2)1
Zipcdoe 0 was not found within this file!
Would you like to try another file? Type 'end' to exit the program: end
```

Explanation: The information associated with the primary key (Zipcode) 0 was not found in the row randomized CSV file and an error message was returned.