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CSCI 331-54

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Zip Code Group Project 2.0 - Test Document

1. Test Cases:

- Test Case 1: Convert original CSV to length-indicated format.

- Input: original.csv

- Output: original\_length\_indicated.txt

- Result: Pass

- Test Case 2: Convert randomized CSV to length-indicated format.

- Input: randomized.csv

- Output: randomized\_length\_indicated.txt

- Result: Pass

- Test Case 3: Create primary key index for original file.

- Input: original\_length\_indicated.txt

- Output: original\_index.txt

- Result: Pass

- Test Case 4: Search for valid and invalid Zip Codes.

- Input: ./zipcode -Z56301 -Z12345 -Z000000 -Z56307 -Z12311 -Z99999

- Output:

CSCI 331 Project 2.0

Converting CSV files to length-indicated format and creating primary key indices...

Creating and saving primary key indices...

Searching zipcodes in the indexed file...

Found: 56301

Found: 12345

Not Found: 000000

Found: 56307

Not Found: 12311

Not Found: 99999

Result - Pass

2. Test Results:

- All test cases passed successfully.