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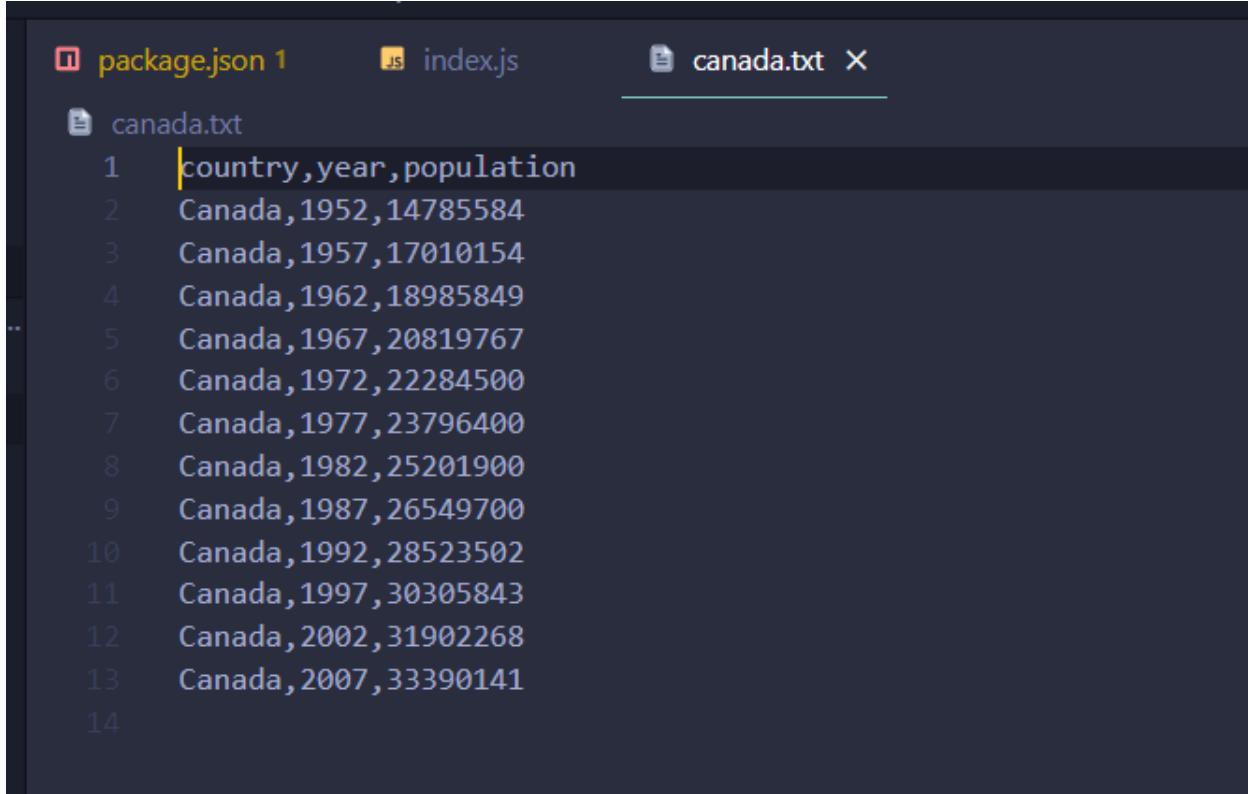
Lab Exercise 1 Screenshots:

Output:

```
> Lab01_101289239_COMP3133@1.0.0 start C:\Users\domin\Desktop\Lab01_101289239_COMP3133
> node index.js

canada.txt deleted successfully
usa.txt deleted successfully
CSV File finished
PS C:\Users\domin\Desktop\Lab01_101289239_COMP3133>
```

canada.txt:



The screenshot shows a code editor with three tabs: package.json, index.js, and canada.txt. The canada.txt tab is active, displaying the following CSV data:

	country	year	population
1	Canada	1952	14785584
2	Canada	1957	17010154
3	Canada	1962	18985849
4	Canada	1967	20819767
5	Canada	1972	22284500
6	Canada	1977	23796400
7	Canada	1982	25201900
8	Canada	1987	26549700
9	Canada	1992	28523502
10	Canada	1997	30305843
11	Canada	2002	31902268
12	Canada	2007	33390141
13			
14			

usa.txt:

A screenshot of a code editor interface showing a file named "usa.txt". The file contains the following data:

```
country,year,population
United States,1952,157553000
United States,1957,171984000
United States,1962,186538000
United States,1967,198712000
United States,1972,209896000
United States,1977,220239000
United States,1982,232187835
United States,1987,242803533
United States,1992,256894189
United States,1997,272911760
United States,2002,287675526
United States,2007,301139947
```

code:

```
index.js > ↻ is.unlink('usa.txt') callback
1  var csv = require('csv-parser');
2  var fs = require('fs');
3
4  // Deleting Text Files
5  try {
6    fs.unlink('canada.txt', (err) => {
7      if (err) {
8        console.log(err);
9        return;
10     }
11     console.log('canada.txt deleted successfully');
12   });
13 } catch (err) {
14   console.log('canada.txt not found');
15 }
16
17 try {
18   fs.unlink('usa.txt', (err) => [
19     if (err) {
20       console.log(err);
21       return;
22     }
23     console.log('usa.txt deleted successfully');
24   ]);
25 } catch (err) {
26   console.log('usa.txt not found');
27 }
28
```

```
18 // Adding header to text files
19 var header = 'country,year,population';
20 fs.writeFileSync('canada.txt', header + '\n');
21 fs.writeFileSync('usa.txt', header + '\n');
22 fs
23     .createReadStream('input_countries.csv')
24     .pipe(csv())
25     .on('data', (row) => {
26         // Filter data of Canada and write to text file
27         if (row.country === 'Canada') {
28             fs.appendFileSync('canada.txt', Object.values(row).join(',') + '\n');
29         }
30         // Filter data of USA and write to text file
31         if (row.country === 'United States') {
32             fs.appendFileSync('usa.txt', Object.values(row).join(',') + '\n');
33         }
34     })
35     .on('end', () => {
36         console.log('CSV File finished');
37     });
38
39
```