

# COMP 3133

## Lab01 – ScreenShots

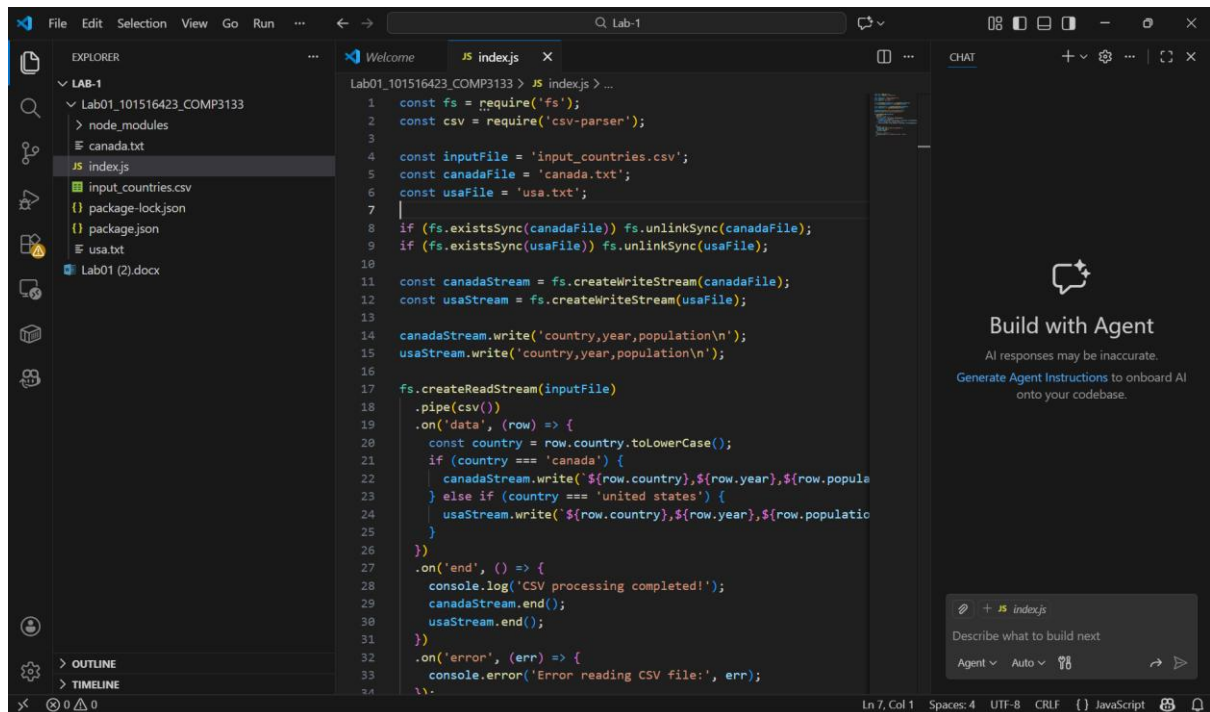
```
PS C:\Sem - 6\COMP - 3133\Lab-1> cd Lab01_101516423_COMP3133
PS C:\Sem - 6\COMP - 3133\Lab-1\Lab01_101516423_COMP3133> npm init -y
Wrote to C:\Sem - 6\COMP - 3133\Lab-1\Lab01_101516423_COMP3133\package.json:

{
  "name": "lab01_101516423_comp3133",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "type": "commonjs"
}

PS C:\Sem - 6\COMP - 3133\Lab-1\Lab01_101516423_COMP3133> npm install --save csv-parser

added 1 package, and audited 2 packages in 523ms

found 0 vulnerabilities
PS C:\Sem - 6\COMP - 3133\Lab-1\Lab01_101516423_COMP3133> node index.js
CSV processing completed!
PS C:\Sem - 6\COMP - 3133\Lab-1\Lab01_101516423_COMP3133> |
```



The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left displays the file structure of the project, including 'node\_modules', 'canada.txt', 'index.js', 'input\_countries.csv', 'package-lock.json', 'package.json', 'usa.txt', and 'Lab01 (2).docx'. The main editor area shows the 'index.js' file with the following code:

```
1 const fs = require('fs');
2 const csv = require('csv-parser');
3
4 const inputFile = 'input_countries.csv';
5 const canadaFile = 'canada.txt';
6 const usaFile = 'usa.txt';
7
8 if (fs.existsSync(canadaFile)) fs.unlinkSync(canadaFile);
9 if (fs.existsSync(usaFile)) fs.unlinkSync(usaFile);
10
11 const canadaStream = fs.createWriteStream(canadaFile);
12 const usaStream = fs.createWriteStream(usaFile);
13
14 canadaStream.write('country,year,population\n');
15 usaStream.write('country,year,population\n');
16
17 fs.createReadStream(inputFile)
18   .pipe(csv())
19   .on('data', (row) => {
20     const country = row.country.toLowerCase();
21     if (country === 'canada') {
22       canadaStream.write(`${row.country},${row.year},${row.popula
23     } else if (country === 'united states') {
24       usaStream.write(`${row.country},${row.year},${row.populatio
25     }
26   })
27   .on('end', () => {
28     console.log('CSV processing completed!');
29     canadaStream.end();
30     usaStream.end();
31   })
32   .on('error', (err) => {
33     console.error('Error reading CSV file:', err);
34   });
```

The right sidebar shows the 'CHAT' panel with a 'Build with Agent' section, indicating that AI responses may be inaccurate and suggesting to generate agent instructions to onboard AI onto the codebase.

canada.txt

File Edit View

country,year,population  
Canada,1952,14785584  
Canada,1957,17010154  
Canada,1962,18985849  
Canada,1967,20819767  
Canada,1972,22284500  
Canada,1977,23796400  
Canada,1982,25201900  
Canada,1987,26549700  
Canada,1992,28523502  
Canada,1997,30305843  
Canada,2002,31902268  
Canada,2007,33390141

usa.txt

File Edit View

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

Anudhin / COMP\_3133

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<> Code

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Go to file

Add file

...

Anudhin Lab01 submission

09dd9ee · 2 minutes ago

History

Name	Last commit message	Last commit date
..		
node_modules	Lab01 submission	2 minutes ago
canada.txt	Lab01 submission	2 minutes ago
index.js	Lab01 submission	2 minutes ago
input_countries.csv	Lab01 submission	2 minutes ago
package-lock.json	Lab01 submission	2 minutes ago
package.json	Lab01 submission	2 minutes ago
usa.txt	Lab01 submission	2 minutes ago