Worksheet 2

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Branch :- MCA   **Section/Group :- 1/A**

Semester :- 3rd   **Date of Performance :- 20/08/2023**

Subject Name :- Back-End Technologies   **Subject Code :- 22CAH-706**

Q. Fetch stored data from one file to other ?

1. Aim/Overview of the practical :-

To understand about various new concepts of back end technologies .

To understand about various new concepts of node.js .

To understand about various new commands in NodeJs .

To understand about fetch stored data from one file to another file .

2. Algorithm/Flowchart :-

1. Import the 'fs' module.

2. Define input and output file paths.

3. Read the contents of the input file asynchronously:

    a. Use fs.readFile with the input file path and 'utf8' encoding.

    b. Provide a callback function:

      - If an error occurs, log an error message and return.

      - If successful, move to the next step.

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4. Write the contents to the output file asynchronously:

      a. Use fs.writeFile with the output file path, input file contents (data), and 'utf8' encoding.

      b. Provide a callback function:

        - If an error occurs, log an error message and return.

        - If successful, log a success message.

5. The program finishes execution asynchronously.

3. Code for experiment/practical:

```
const fs = require('fs');

const inputFile = 'app.js';
const outputFile = 'Calculator.js';

fs.readFile(inputFile, 'utf8', (err, data) => {
    if (err) {
      console.error('Error reading input file:', err);
       return;

    }
    // Write the contents to the output file
fs.writeFile(outputFile, data, 'utf8', (err) => {
if (err) {
console.error('Error writing to output file:', err);
 return;
    }

    console.log('Contents of input file have been successfully written to output file.');
    });
  });
```

4. Result/Output/Writing Summary :-

localhost:3000

Employee Salary Calculator

Employee Name: Raj Kishor Kr

Hourly Wage: 550

Hours Worked: 25

[Calculate]

Employee Salary Result

Employee Name: Raj Kishor Kr

Gross Salary: $13750.00

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5. Learning outcomes (What I have learnt) :-

1. Learn about new concepts of back end technologies .
2. Learn about new concepts of NodeJs .
3. Learn about to fetch stored data from one file to other .

6. Evaluation Grid :-

Sr.No.	Parameter	Marks Obtained	Maximum Marks
1	Demonstration and Performance (Pre Lab-Quiz)		5
2	Worksheet		10
3	Post Lab-Quiz		5