



Worksheet 2

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Subject Name: Back End Technologies

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Section/Group: 1/A

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Q1. Fetch stored data from one file to other ?

1. Aim/Overview of the practical:

- * To understand about various new commands in NodeJs .
- * To understand about various new concepts of NodeJs .
- * To understand about various new concepts of back end technologies .
- * To understand about fetch stored data from one file to another file .

1. Algorithm/Flowchart :

1. Open the source file for reading
2. Open the destination file for writing
3. Read data from the source file line by line until the end of file:
 - I. Read a line from the source file
 - II. Write the line to the destination file
4. Close the source file
5. Close the destination file
6. Display a message indicating successful data transfer

2. Dataset:

No dataset will be used in this worksheet .

3. Code for experiment/practical:

- * First make employee-salary calculator and run it with command 'node employee-salary-calculator.js' .
- * After that make another file with any name and save it blank .
- * After that made another file with any name like 'temp.js' and write code of read and write function in that file and also gives paths of source file and destination file .
- * And at last write command of destination file to check whether its perfectly run or not .

* Code of read and write function :




```
const fs = require('fs');  
  
// Replace these file paths with your actual file paths  
  
const inputFile = 'server.js';  
  
const outputFile = '20.js';  
  
// Read the contents of the input file  
  
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

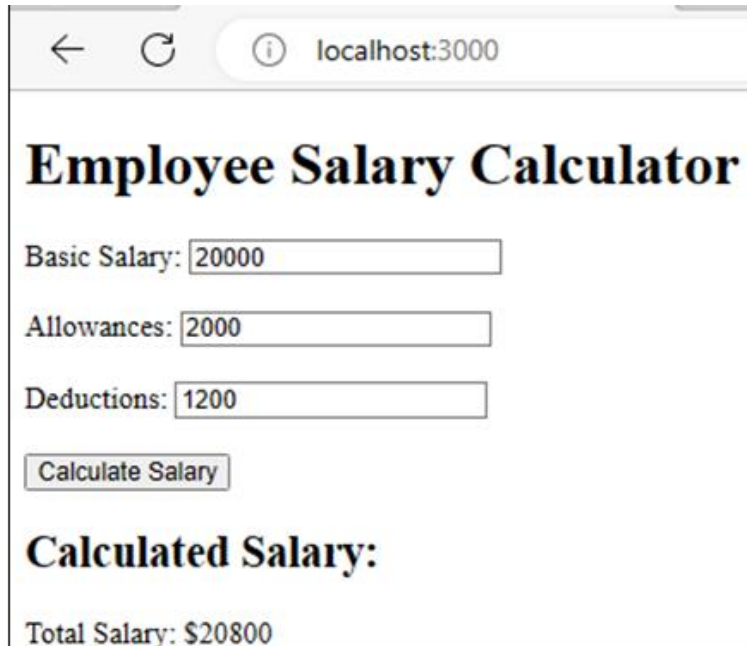
Basic Salary:

Allowances:

Deductions:

Calculated Salary:

-



← ↻ ⓘ localhost:3000

Employee Salary Calculator

Basic Salary:

Allowances:

Deductions:

Calculated Salary:

Total Salary: \$20800

```
C:\> Command Prompt

Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hp>mkdir employee-salary-calculator
A subdirectory or file employee-salary-calculator already exists.

C:\Users\hp>cd employee-salary-calculator

C:\Users\hp\employee-salary-calculator>node server.js
Server is running on port 3000
^C
C:\Users\hp\employee-salary-calculator>node 20.js
Server is running on port 3000
^C
C:\Users\hp\employee-salary-calculator>_
```

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 .



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