



## Worksheet 1.2

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Subject Name: Backend tech.

Subject Code: 22CAH-706

Question:- How to fetch in node.JS file.

Code:-

Selrii.js

```
const fs = require('fs'); function calculateHRA(basicSalary) {  
  
    return basicSalary * 0.2; // Assuming HRA is 20% of basic salary  
  
}  
  
function calculateDA(basicSalary) {    return basicSalary * 0.1;  
  
    // Assuming DA is 10% of basic salary  
  
}  
  
function calculateGrossSalary(basicSalary) {  
  
    const hra = calculateHRA(basicSalary);  
  
    const da = calculateDA(basicSalary);  
  
    return basicSalary + hra + da;  
  
}  
  
function main() {  
  
    fs.readFile('data.json', 'u 8', (err, data) => {  
  
        if (err) {            console.error('Error  
reading file:', err);            return;
```

```
}  
  
const employeeData = JSON.parse(data);    for  
  
(const employee of employeeData) {        const  
  
  basicSalary = employee.basicSalary;      const  
  
  grossSalary = calculateGrossSalary(basicSalary);  
  
  console.log(`Name: ${employee.name}`);  
  
  console.log(`Basic Salary: ${basicSalary}`);  
  
  console.log(`HRA: ${calculateHRA(basicSalary)}`);  
  
  console.log(`DA: ${calculateDA(basicSalary)}`);  
  
  console.log(`Gross Salary: ${grossSalary}`);  
  
  console.log('-----');  
  
  });  
  
} main();
```

### data.json

```
[ { "name": "John Doe", "basicSalary": 50000 },  
  { "name": "Jane Smith", "basicSalary": 60000 },  
  { "name": "Bob Johnson", "basicSalary": 45000 } ]
```

### OUTPUT:

```
npm init -y
```

```
mkdir salary-program  
cd salary-program
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

Basic Salary: $60000
HRA: $12000
DA: $6000
Gross Salary: $78000
-----
Name: Bob Johnson
Basic Salary: $45000
HRA: $9000
DA: $4500
Gross Salary: $58500
-----
PS D:\SEMESTER-3\Backend> 
```

Learning outcomes (What I have learnt):

1. Learn How to fetch data from Node.JS file.
2. Learn How to fetch data from Json file.