

## Code for practical:

### File 1 Code:

```
const readline = require('readline');
const rl = readline.createInterface({
  input: process.stdin,
  output: process.stdout
});

console.log("=====");
console.log("Welcome to the Salary Calculator!");
console.log("=====\\n");

rl.question("Enter the employee's name: ", (employeeName) => {
  rl.question("Enter the number of hours worked: ", (hoursWorked) => {
    rl.question("Enter the hourly rate: ", (hourlyRate) => {
      const totalSalary = calculateSalary(parseFloat(hoursWorked),
parseFloat(hourlyRate));
      console.log("\\nSalary Calculation for", employeeName);
      console.log("=====");
      console.log("Hours Worked:", hoursWorked);
      console.log("Total Salary: $", totalSalary.toFixed(2));
      console.log("=====\\n");
      rl.close();
    });
  });
});

function calculateSalary(hoursWorked, hourlyRate) {
  if (isNaN(hoursWorked) || isNaN(hourlyRate)) {
    throw new Error("Invalid input. Please enter valid numeric
values.");
  }

  let totalSalary = hoursWorked * hourlyRate;
  if (hoursWorked > 40) {
    const overtimeHours = hoursWorked - 40;
    totalSalary += overtimeHours * (hourlyRate * 1.5);
  }

  return totalSalary;
}

rl.on("close", () => {
  console.log("Thank you for using the Salary Calculator. Goodbye!");
});
```

## Output:

```
● PS C:\Users\USER\Desktop\App\CU\3rd Sem CU\BackEnd\NodeJs> node p1.js
=====
Welcome to the Salary Calculator!
=====

Enter the employee's name: kal
Enter the number of hours worked: 5
Enter the hourly rate: 700

Salary Calculation for kal
=====
Hours Worked: 5
Total Salary: $ 3500.00
=====

Thank you for using the Salary Calculator. Goodbye!
```

## File1 data(This data is to be transferred)

```
PS C:\Users\USER\Desktop\App\CU\3rd Sem CU\BackEnd\NodeJs> node p1.js
```

```
=====
```

```
Welcome to the Salary Calculator!
```

```
=====
```

```
Enter the employee's name: kal
```

```
Enter the number of hours worked: 5
```

```
Enter the hourly rate: 700
```

```
Salary Calculation for kal
```

```
=====
```

```
Hours Worked: 5
```

```
Total Salary: $ 3500.00
```

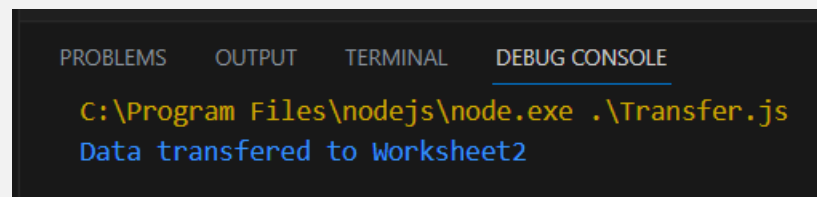
```
=====
```

```
Thank you for using the Salary Calculator. Goodbye!
```

## Code to Transfer Data from One File to another

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

fs.readFile('worksheet1Output.txt', 'utf-8', (err, data) =>{
  if(err) {
    console.error('Error reading worksheet1Output.txt:', err);
  }else{
    fs.writeFile('Worksheet2.txt', data, (err)=>{
      if(err){
        console.error('Error writing to Worksheet2.txt:', err);
      }else{
        console.log('Data transfered to Worksheet2');
      }
    });
  }
});
```



### Data Transferred:

PS C:\Users\USER\Desktop\App\CU\3rd Sem CU\BackEnd\NodeJs> node p1.js

Welcome to the Salary Calculator!

Enter the employee's name: kal

Enter the number of hours worked: 5

Enter the hourly rate: 700

Salary Calculation for kal

Hours Worked: 5

Total Salary: \$ 3500.00

Thank you for using the Salary Calculator. Goodbye!