Node.js Custom Module Assignment Solution

1. greetings.js Module

```javascript
// greetings.js
function greet(name) {
    return `Hello, ${name}! Welcome to the Node.js module system.`;
}

module.exports = greet;
```

2. mathOperations.js Module

```javascript
// mathOperations.js
function add(a, b) {
    return a + b;
}

function subtract(a, b) {
    return a - b;
}

function multiply(a, b) {
    return a * b;
}

function divide(a, b) {
    if (b === 0) {
        return 'Cannot divide by zero';
    }
    return a / b;
}

module.exports = {
    add,
    subtract,
    multiply,
    divide
};
```

3. main.js File

```javascript
// main.js
const greet = require('./greetings');
const math = require('./mathOperations');

const userName = "Saransh";
console.log(greet(userName));

console.log("Addition:", math.add(10, 5));
console.log("Subtraction:", math.subtract(10, 5));
console.log("Multiplication:", math.multiply(10, 5));
```

```
console.log("Division:", math.divide(10, 5));
```

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