ASSIGNMENT

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Assignment: NodeJS

1.

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

2.

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

```javascript
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.

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

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

const a = 10;
const b = 5;

console.log(`Add: ${math.add(a, b)}`);
console.log(`Subtract: ${math.subtract(a, b)}`);
console.log(`Multiply: ${math.multiply(a, b)}`);
console.log(`Divide: ${math.divide(a, b)}`);
```