

**LALKESH RAJPUT**

**2315001243**

**NODE.JS ASSIGNMENT-1 SOLUTION**

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

module.exports = greet;
```

---

```
// 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,
};
```

---

```
// main.js
```

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

```
// Greet user
```

```
const userName = 'Lalkesh';
console.log(greet(userName));
```

```
// Math operations
```

```
const a = 25;
const b = 5;
```

```
console.log(` Addition: ${math.add(a, b)} `);
console.log(` Subtraction: ${math.subtract(a, b)} `);
console.log(` Multiplication: ${math.multiply(a, b)} `);
console.log(` Division: ${math.divide(a, b)} `);
```