

## Node.js Custom Module Assignment - Solution

1. greetings.js

```
// greetings.js
```

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

```
module.exports = greet;
```

2. mathOperations.js

```
// 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

```
// main.js
```

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

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

```
const name = 'Rahul';
```

```
console.log(greet(name));
```

```
const a = 20, 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)}`);
```