

NODE JS ASSIGNMENT 1

SOLUTIONS – MANYA SETHI

1) greetings.js

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

2) 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) {  
  return b !== 0 ? a / b : 'Cannot divide by zero';  
}  
  
module.exports = { add, subtract, multiply, divide };
```

3) main.js

```
const { greet } = require('./greetings');  
const { add, subtract, multiply, divide } = require('./mathOperations');
```

```
const userName = "Manya";
```

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

```
const num1 = 10;
```

```
const num2 = 5;
```

```
console.log(`Addition: ${add(num1, num2)}`);
```

```
console.log(`Subtraction: ${subtract(num1, num2)}`);
```

```
console.log(`Multiplication: ${multiply(num1, num2)}`);
```

```
console.log(`Division: ${divide(num1, num2)}`);
```