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## **ASSIGNMENT -1**

### **(Node.js Custom Module Assignment)**

**1.**

#### **greetings.js**

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

#### **main.js**

```
const {greet} =require ( './greetings.js');  
  
const name ='shubham';  
  
console.log(greet(name));
```

**2.**

#### **mathOperations.js**

```
function add(a, b) {  
    return a + b;  
}  
  
function sub(a, b) {  
    return a - b;  
}  
  
function mul(a, b) {  
    return a * b;  
}  
  
function div(a, b) {  
    return a / b;  
}  
  
module.exports = {add,sub,mul,div};
```

### **main.js**

```
const math = require('./mathOperations.js');  
console.log( math.add(10, 5));  
console.log( math.sub(10, 5));  
console.log( math.mul(10, 5));  
console.log( math.div(10, 5));
```

### 3.

#### main.js

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

```
const name = 'shubham';  
console.log(greet(name));
```

```
const a = 10;  
const b = 5;
```

```
console.log( math.add(a, b));  
console.log( math.sub(a, b));  
console.log( math.mul(a, b));  
console.log( math.div(a, b));
```