

NODE JS ASSIGNMENT – 1 SOLUTION

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greetings.js

```
function welcomeUser(username) {  
  return `Hello, ${username}! You're now using the Node.js module system.`;  
}
```

```
module.exports = welcomeUser;
```

mathFunctions.js

```
function sum(x, y) {  
  return x + y;  
}
```

```
function difference(x, y) {  
  return x - y;  
}
```

```
function product(x, y) {  
  return x * y;  
}
```

```
function quotient(x, y) {  
  if (y === 0) {  
    return 'Division by zero is not allowed';  
  }  
  return x / y;  
}
```

```
module.exports = {  
  sum,  
  difference,  
  product,  
  quotient,  
};
```

calculator.js

```
const welcomeUser = require('./greetings');
const math = require('./mathFunctions');

const username = 'Mayur';
console.log(welcomeUser(username));

const num1 = 10;
const num2 = 5;

console.log(`Sum: ${math.sum(num1, num2)}`);
console.log(`Difference: ${math.difference(num1, num2)}`);
console.log(`Product: ${math.product(num1, num2)}`);
console.log(`Quotient: ${math.quotient(num1, num2)}`);
```