

Node.js Custom Module Assignment

1. Create a `greetings.js` Module –

Write a function `greet(name)` that returns:

"Hello, ! Welcome to the Node.js module system." –

Export the function as a module.

```
JS index.js JS greeting.js X
JS greeting.js > ...
1 const message = "Hello, everyone! Welcome to the Node.js module system.";
2 module.exports = { message };
3
```

```
JS index.js X JS greeting.js
JS index.js > ...
1 const addModule = require('./greeting.js');
2 console.log(addModule.message);
```

2. Create a `mathOperations.js` Module –

Write and export the following functions: -

`add(a, b)` - returns the sum of two numbers. –

`subtract(a, b)` - returns the difference between two numbers. –

`multiply(a, b)` - returns the product of two numbers. –

`divide(a, b)` - returns the quotient of two numbers.

```
JS index.js JS add.mjs X
JS add.mjs > add
1 export function add(a,b){
2   return a+b;
3 }
```

```
JS index.js JS subtract.mjs X
JS subtract.mjs > sub
1 export function sub(a,b){
2   return a-b;
3 }
```

```
JS index.js JS multiply.mjs X
JS multiply.mjs > mul
1 export function mul(a,b){
2   return a*b;
3 }
```

```
JS index.js JS divide.mjs X
JS divide.mjs > div
1 export function div(a,b){
2   return a/b;
3 }
```

3. Create a `main.js` File –

Import both `greetings.js` and `mathOperations.js`. –

Use `greet(name)` to greet a user. –

Perform all four math operations and log the results

```
JS index.mjs X JS greeting.mjs X
JS index.mjs
1 import {add} from './add.mjs';
2 import {sub} from './subtract.mjs';
3 import {mul} from './multiply.mjs';
4 import {div} from './divide.mjs';
5 import {message} from './greeting.mjs';
6
7
8 console.log(add(10,12));
9 console.log(sub(12,10));
10 console.log(mul(10,12));
11 console.log(div(10,2));
12
13
14 console.log(message);
```