Assignment 1 - Creating modules:-

1. Greetings.mjs:-

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

export default greet;
```

2.MathOperations.mjs:-

```
// mathOperations.mjs
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 ? 'Error: Division by zero' : a / b;
```

```
}

const mathOperations = {
  add,
  subtract,
  multiply,
  divide
};

export default mathOperations;
```

3.Main.mjs:-

```
// main.mjs
import * as Greetings from './greetings.mjs';
import * as MathOps from './mathOperations.mjs';

const name = "Akshika";
console.log(Greetings.default(name)); // Access default export via .default

const a = 20;
const b = 5;

console.log(`Addition: ${MathOps.default.add(a, b)}`);
console.log(`Subtraction: ${MathOps.default.subtract(a, b)}`);
console.log(`Multiplication: ${MathOps.default.multiply(a, b)}`);
console.log(`Division: ${MathOps.default.divide(a, b)}`);
```