Module 4: Control Structures, Functions, and Data Structures

Practice Activity 4.3 Create Functions

Activity 1 – Solution

```javascript
// Function to add two numbers
function add(x, y) {
    return x + y;
}

// Function to subtract two numbers
function subtract(x, y) {
    return x - y;
}

// Function to multiply two numbers
function multiply(x, y) {
    return x * y;
}

// Function to divide two numbers
function divide(x, y) {
    if (y !== 0) {
        return x / y;
    } else {
        return "Cannot divide by zero";
    }
}

// Driver Code
let num1 = 10;
let num2 = 5;

console.log("Number 1: " + num1); // Number 1: 10
console.log("Number 2: " + num2); // Number 2: 5


// Calling the function
// The desired output is added as a comment after console.log()
console.log("Addition: " + add(num1, num2)); // Addition: 15
console.log("Subtraction: " + subtract(num1, num2)); // Subtraction: 5
console.log("Multiplication: " + multiply(num1, num2)); // Multiplication: 50
console.log("Division: " + divide(num1, num2)); // Division: 2
```

Activity 2 – Solution

```
const printTable = function (num) {
    for (let i = 1; i <= 10; i++) {
        console.log(num + "*" + i + " = " + num * i);
    }
};

printTable(2);
```