Module 4: Control Structures, Functions, and Data Structures

Practice Activity 4.6 Object Properties

Activity 1: Object Property Manipulation

```javascript
// The student object
let student = {
    name: "Alice Smith",
    age: 15,
    grades: 95,
};

// Add a new property 'subject' here
student.subject = "Calculus";


// Updating the 'age' property here
student.age = 21;

console.log(student);
```

Activity 2: Functions as Property Values

```javascript
// The calculator object
let calculator = {
    add: function (operand1, operand2) {
        return operand1 + operand2;
    },
    subtract: function (operand1, operand2) {
        return operand1 - operand2;
    },
    multiply: function (operand1, operand2) {
        return operand1 * operand2;
    },
    divide: function (operand1, operand2) {
        return operand1 / operand2;
    },
};

// Testing the methods
console.log("Addition:", calculator.add(20, 4));
console.log("Subtraction:", calculator.subtract(20, 4));
console.log("Multiplication:", calculator.multiply(20, 4));
console.log("Division:", calculator.divide(20, 4));
```