


Module 4: Control Structures, Functions, and Data Structures

Practice Activity 4.5 Practice with Objects

Activity 1 – Solution

```
let person = {  
  name: "John Doe",  
  age: 25,  
  isStudent: true  
};  
console.log("Name:", person.name);  
console.log("Age:", person.age);  
console.log("Is Student:", person.isStudent);
```

Activity 2 – Solution



```
let car = {  
  make: "Toyota",  
  model: "Camry",  
  year: 2022  
};  
  
for (let prop in car) {  
  console.log(`${prop}: ${car[prop]}`);  
}
```

Activity 3 – Solution

```
let car = {  
  make: "Toyota",  
  model: "Camry",  
  year: 2022  
};  
  
for (let prop in car) {  
  console.log(`${prop}: ${car[prop]}`);  
}
```

Activity 4 – Solution

```
let person = {  
  name: "John Doe",  
  age: 25,  
  city: "New York"  
};  
  
person.email = "email@gmail.com";  
person.age = 10;  
  
console.log(person);
```

Activity 5 – Solution

```
let person = {  
  name: "John Doe",  
  age: 25,  
  city: "New York"  
};  
  
let friend = {  
  name: "John Doe",  
  age: 25,  
  city: "New York"  
};  
  
console.log("Objects are equal?", JSON.stringify(person) ===  
JSON.stringify(friend));
```



Activity 6 – Solution

```
let student = {  
  name: "James Oliver",  
  age: 23,  
  grade: "A"  
};  
  
student.location = {  
  city: "Cityville",  
  state: "Stateville",  
  country: "Countryville"  
};  
  
console.log(student);
```