JavaScript Object Questions

1. Create a JavaScript object to represent a car with properties: brand, model, and year.

2. Add a method to the car object that returns the car's full description.

3. How do you access and modify an object property using dot and bracket notation? Show examples.

4. Write code to loop through all properties of an object using a for...in loop.

5. What is the difference between a shallow copy and a deep copy of an object?

6. Create a nested object structure for a student with name, age, and address (containing city and zip).

7. How do you check if a property exists in an object? Show at least two ways.

8. Explain the difference between `Object.assign()` and the spread operator when copying objects.

9. Write a function that takes an object and returns a new object with all values doubled (assume numeric values).

10. How can you make an object property read-only in JavaScript?