

BASIC Level Tasks

1. Create an object for a student

Create an object 'student' with properties: name, age, and isPassed (boolean)

2. Access and print object values

Using dot and bracket notation, print all properties from a 'car' object

3. Add and delete a property

Add a new property 'college' to the 'student' object and then delete 'age'

4. Use Object.keys, Object.values

Print all keys and values from an object named 'book'

5. Use this in an object method

Create an object 'device' with a method 'info' that uses 'this' to print device name

MEDIUM Level Tasks

6. Nested object access

Create a user object with nested address (city, state) and contact (email, phone)

Print email and city using object chaining

7. Loop through object using for...in

Loop through an object of product details and print each key and value

8. Create a constructor function

Create a constructor function 'Employee' with name, dept, and salary
Create 2 employee objects from it

9. Compare objects using Object.entries()

Create 2 objects and compare if they have same key-value pairs using entries

10. Create methods in object using shorthand

Add a method 'greet' to an object using ES6 shorthand method syntax

● HARD Level Tasks

11. Object inside array – Find by property

Given an array of user objects [{name: "Niraj", age: 24}, {...}, ...]
Find the user with age > 30

12. Count properties with numeric values

Write a function that takes an object and returns count of number-type properties

13. Deep access with optional chaining

Access a deeply nested value safely using optional chaining

14. Convert object to query string

Convert an object like {name: "Niraj", age: 24} into query string:
"name=Niraj&age=24"

15. Create an object factory function

Write a function createPerson(name, age) which returns a person object with a method getDetails