**Beginner Level**

1. Print "Hello, World!" to the console.
2. Declare and assign variables of different data types.
3. Write a function that returns the sum of two numbers.
4. Create a function that checks if a number is even or odd.
5. Write a loop that prints numbers from 1 to 10.
6. Create an array and iterate through it using a loop.
7. Write a function that reverses a string.
8. Create an object with properties and access them.
9. Convert a string to uppercase.
10. Create a function that checks if a word is a palindrome.

**Intermediate Level**

11. Write a function that finds the largest number in an array.

12. Implement a basic calculator using functions.

13. Create a program that sorts an array of numbers.

14. Write a function that removes duplicates from an array.

15. Implement a simple countdown timer.

16. Create a function that finds the factorial of a number.

17. Write a function that checks if a number is prime.

18. Implement a function that finds the Fibonacci sequence up to N numbers.

19. Create a program that shuffles an array.

20. Write a function that finds the longest word in a string.

**Advanced Level**

21. Implement a function that deep clones an object.

22. Write a function that implements a basic debounce mechanism.

23. Create a function that flattens a nested array.

24. Implement a simple event emitter.

25. Write a function that performs binary search on a sorted array.

26. Create a program that implements a simple caching mechanism.

27. Implement a basic pub/sub system.

28. Write a function that detects circular references in an object.

29. Create a function that generates a random password.

30. Implement a simple to-do list using JavaScript.

**Expert Level**

31. Implement a basic web scraper using JavaScript.

32. Write a function that simulates async/await behavior using Promises.

33. Create a function that implements a simple state management system.

34. Implement a basic drag-and-drop feature using JavaScript.

35. Create a function that converts a JSON object into a query string.

36. Implement a function that performs memoization.

37. Write a function that creates a simple HTTP request using Fetch API.

38. Implement a basic chatbot using JavaScript.

39. Create a function that compresses and decompresses strings.

40. Implement a basic WebSocket client.

**Master Level**

41. Build a simple web server using Node.js.

42. Implement a custom Promise class.

43. Write a function that creates a simple virtual DOM.

44. Implement an LRU (Least Recently Used) cache.

45. Create a function that detects and handles memory leaks.

46. Build a simple authentication system using JavaScript.

47. Implement a function that handles infinite scrolling.

48. Create a simple AI-powered recommendation system.

49. Implement a function that parses and evaluates mathematical expressions.

50. Build a mini JavaScript game (e.g., Snake or Tic-Tac-Toe).