Node.js Custom Module Practice Questions (Odd/Even, Prime, Array, Loops, Conditions)

1. Create a custom module to check whether a given number is odd or even, and import it in another file.

2. Create a module that prints all even numbers between 1 and 50 using a loop. Import and run it in `app.js`.

3. Create a module that prints all odd numbers between 1 and 50 using a loop. Import and test it in another file.

4. Create a function inside a custom module to check if a number is prime, then export and use it.

5. Write a module that prints all prime numbers between 1 and 100. Import it in another file and execute.

6. Create a module to find the sum of all even numbers in an array. Import it into a separate file.

7. Create a module to find the sum of all odd numbers in an array and export it for use in another file.

8. Write a module that counts total even and odd numbers in an array. Import and test it in `index.js`.

9. Create a custom module to find the largest number in an array and import it in another file.

10. Write a module to find the smallest number in an array. Import and check with different inputs.

11. Build a module to reverse the elements of an array using a loop and import it in `main.js`.

12. Write a function inside a module to check if a number exists in an array. Import it and test in another file.

13. Create a module to calculate the factorial of a given number using a loop. Import and test it.

14. Write a module that generates the first 10 Fibonacci numbers. Import and run it.

15. Create a module to check if a number is part of the Fibonacci series. Import it in `test.js`.

16. Write a module that calculates the sum of all numbers in an array using a loop. Import and test it.

17. Create a module to print the multiplication table of a given number. Import and test in `main.js`.

18. Write a module that finds all numbers divisible by 5 between 1 and 100. Import and run it.

19. Create a module to count how many prime numbers exist in an array. Import and test it.

20. Build a module to find both maximum and minimum numbers in an array without using built-in functions. Import and check.

21. Write a module to check if a given string is a palindrome using a loop. Import and test.

22. Create a module that prints the first 20 odd numbers. Import and run it in another file.

23. Create a module that prints the first 20 even numbers. Import and run it in another file.

24. Write a module to find the sum of all prime numbers in an array. Import it into `index.js`.

25. Create a module to check if all elements in an array are even numbers. Import and test it.

26. Create a module to check if all elements in an array are prime numbers. Import and test it.

27. Write a module that separates odd and even numbers into two arrays. Import and test it.

28. Create a module to count how many even numbers greater than 50 exist in an array. Import it.

29. Write a module that displays only the prime numbers from a given array. Import and test it.

30. Create a module to calculate the average of even and odd numbers separately in an array. Import and test it.