</> Challenges – Javascript </>

1. Write a program Guess the Number between 1 to 100.

2. Write a program that will displays the data of the Employee From the Front End Department of 10 Employees and display the total amount how much company spends on employee. [Employee Number 10 }
   - Output :- Employee Data :- Nme, Age, Id, Location, Salary
   - Total Salary
   - Note { By using Map, Filter, Reduce}

3. Write a program to make Product Management system for Shop
   Output :
   - Total Number of Category Of the Product = 10
   - Quantity of Product 1: 50
   - Total Sales of Product In Current Month : 34
   - Total Profit of Current Month : 50,000 /-
   - Total Sales of This Month: 2,50,000 /-

4. Perform Maximu Math.Mthods

5. Calculate the BMI

6. Validate Credit Card Number:
   - Write a function that takes a credit card number as input and returns true if it's valid according to the Luhn algorithm, false otherwise.

7. Write a program that prints the numbers from 1 to 100.
   - For multiples of three, print "Fizz" instead of the number.
     For multiples of five, print "Buzz" instead of the number.
     For numbers that are multiples of both three and five, print "FizzBuzz".

8. Hangman:
   Choose a word to be guessed by the player.
   Display placeholders for each letter of the word.
   Allow the player to guess letters. / Reveal correct guesses and penalize incorrect guesses by drawing parts of a hangman.

End the game when the word is guessed correctly or when the hangman is fully drawn.

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End the game when the word is guessed correctly or when the hangman is Fully drawn.

9. Tic-Tac-Toe:

Create a 3x3 grid representing the game board.

Allow two players to take turns marking spaces with X and O.

Check for a winner after each move by checking for three in a row horizontally, vertically, or diagonally.

Detect a draw if the board is full and no player has won.

Display the winner or a draw message at the end of the game.

</> CLI Challenges </>

1. **Password Generator:**

   Develop a CLI app that generates random passwords based on user specifications.

   Prompt users to specify the length and complexity of the password.

   Allow users to specify options such as including numbers, symbols, or uppercase letters.

2. **File Management Tool:**

   Build a CLI app for managing files and directories.

   Implement commands for creating, deleting, renaming, and listing files and directories.

   Provide options for copying, moving, and searching files.

3. **Quiz Game:**

   Develop a CLI quiz game with multiple-choice questions.

   Load questions from a file or define them within the application.

   Keep track of the user's score and display it at the end of the quiz.