TEACH2GIVE TECHNICAL TEST

Please adhere to the following guidelines to progress to the next phase of the interview:

GitHub Repository:

Create a public GitHub repository for your submission.

***Programming Language**:*

Use a programming language of your choice for the solution.

Commented Questions:

Include the question as a comment at the top of your code file.

Provide a clear and concise solution below the question in the code file.

Submission Link:

Share the correct GitHub repository link in your submission.

Submission Deadline:

Submit your solution within a week of receiving the guidelines.

Avoid Copying code online or from ChatGPT.

By following these guidelines, you will help streamline the evaluation process and demonstrate your ability to provide clear and effective solutions. Thank you, and we look forward to reviewing your submission.

QUESTIONS

Question 1: FizzBuzz

Write a program that prints the numbers from 1 to 100. For multiples of 3, print "Fizz"; for multiples of 5, print "Buzz"; and for numbers that are multiples of both 3 and 5, print "FizzBuzz".

Question 2: Fibonacci Sequence

Write a program to generate the Fibonacci sequence up to 100.

Question 3: Power of Two

Write a program that takes an integer as input and returns true if the input is a power of two.

Examples:

8=> returns true

6=> returns false

Question 4: Capitalize Words

Write a program that accepts a string as input, capitalizes the first letter of each word in the string, and then returns the result string.

Examples:

"hi"=> returns "Hi"

"i love programming"=> returns "I Love Programming"

Question 5: Reverse Integer

Write a program that takes an integer as input and returns an integer with reversed digit ordering.

Examples:

For input 500, the program should return 5.

For input -56, the program should return -65.

For input -90, the program should return -9.

For input 91, the program should return 19.

Question 6: Count Vowels

Write a program that counts the number of vowels in a sentence.

eg " Hello World " => returns 2

SUCCESS CHAMPS!!!