

Python Interview Questions P Sai Varun

1. Write a program to check if two strings are **rotations** of each other.
2. Implement a function to find the **GCD (Greatest Common Divisor)** of two numbers using the Euclidean algorithm.
3. Write a Python program to **transpose a matrix** without using NumPy.
4. Implement a function to find the **second largest number** in a list without sorting it.
5. Write a program to find the **longest substring without repeating characters** in a given string.
6. Implement a function to **merge two sorted lists** into one sorted list without using sorted() or built-in functions.
7. Write a Python function to check whether a number is an **Armstrong number**.
8. Implement a program to find the **first missing positive integer** in an unsorted list.
9. Write a Python function to generate all **permutations of a given string**.
10. Implement a function to perform **binary search** on a sorted list without using built-in functions.