

Problem Statement:

You have been hired as a developer to create a program that can perform operations on a given string. Your task is to create a Java program that implements the following requirements:

1. The program must take input from the user in the form of a string.
2. The program must be able to reverse the string and display the reversed string to the user.
3. The program must be able to check whether the string is a palindrome or not and display the result to the user.
4. The program must be able to find the frequency of each character in the string and display the result to the user.
5. The program must be able to remove all the spaces from the string and display the updated string to the user.

You need to implement the following methods:

1. **reverseString(String str)** - This method should take a string as input and return the reversed string.
2. **isPalindrome(String str)** - This method should take a string as input and return true if the string is a palindrome, otherwise false.
3. **findFrequency(String str)** - This method should take a string as input and return a map of each character and its frequency in the string.
4. **removeSpaces(String str)** - This method should take a string as input and return the string with all the spaces removed.

You can use any data structure to store the frequency of each character in the string, but it must be able to perform the above operations efficiently.

Your Java program should have a main method that takes user input and calls the above methods to perform the required operations on the string. The program should display the updated string and the results of the operations to the user.