HAREESHA H M

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PYTHON PROGRAMMING

LAB-8 ANSWERS

1. **Take u r name from the keyboard and reverse and display the result.**

Code:

name = input("Enter your name: ") # Take the name from the keyboard input.

reversed\_name = name[::-1] # Reverse the name.

print("Reversed name:", reversed\_name)# print the reversed name

Output:

Enter your name: Hareesha

Reversed name: ahseeraH

1. **Count and display the vowel in the u r name**

Code:

name = input("Enter your name: ")# Take the name from the keyboard input.

vowels = ['a', 'e', 'i', 'o', 'u']# Define a list of vowels.

vowel\_count = 0 # Initialize a variable to count the vowels.

# Iterate through each character in the name

for char in name:

    if char.lower() in vowels: # Check if the character is a vowel.

        vowel\_count += 1

print("Number of vowels in your name:", vowel\_count)# Display the count of vowels.

Output:

Enter your name: Hareesha

Number of vowels in your name: 4

1. **check whether the input string is Palindrome or not.**

Code:

string = input("Enter a string: ")# Take tinput(string) from user.

string = string.replace(" ", "").lower()# Remove spaces and convert to lowercase for case-insensitive comparison.

if string == string[::-1]:# Check if the string is equal to its reverse.

    print("The input string is a palindrome.") #print if the given string is polindrome.

else:

    print("The input string is not a palindrome.") #print if the given string is not a polindrome.

Outputs:

Enter a string: Hareesha

The input string is not a palindrome.

Enter a string: abccba

The input string is a palindrome.

1. **Take the input string from the user and the check it's contains only numeric .**

Code:

string = input("Enter a string: ")# Take the input(string) from the user.

if string.isdigit():# Check if the string contains only numeric characters.

    print("The input string contains only numeric characters.")#prints if the string contains the numeric characters.

else:

    print("The input string does not contain only numeric characters.")#prints if the string not contains the numeric characters.

Outputs:

Enter a string: Hareesha

The input string does not contain only numeric characters.

Enter a string: Hareesha123

The input string does not contain only numeric characters.