



# PYTHON PROGRAMMING

LAB-8 ANSWERS

HAREESHA H M

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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
```

2. 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

3. 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.

4. 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.