LAB EXAM-1

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QUESTION:1

PROMPT:

Write a function to check if a number is even or odd and test it by calling the function with fixed numbers

CODE & OUTPUT:

```
def is_even_or_odd(number):
    if number % 2 == 0:
        return " even "
    else:
        return " odd "
print(is_even_or_odd(4))
print(is_even_or_odd(7))
```

```
Even
Odd
```

EXPLANATION:

Explanation (Simple & Clear):

The function is named is_even_or_odd.

It takes one input: a number.

It checks if the number divides by 2 with no remainder using %.

If yes, it returns "Even".

If not, it returns "Odd".

Then we print the result by calling the function with different numbers.

QUESTION:2

PROMPT:

Write a Python program that takes a string input from the user and prints the reversed string.

1.CODE
&OUTPUT:

```python
def reverse_string(input_string):
    return input_string[::-1]

# Example usage
original_string = "Hello,
reversed_string = reverse_
print(f"Original string: {original_string}")
print(f"Reversed string: {reversed_string}")
```

str: original_string

View

'Hello, Colab!'

```
Original string: Hello, Colab!
Reversed string: !baloC ,olleH
```

EXPLANATION:

This code defines a function reverse_string that takes a string and returns it reversed using slicing. Then, it demonstrates the function by reversing the string 'Hello, Colab!' and printing both the original and reversed strings