

LAB EXAM-1

Name:A.Manasa

Enroll No.:2403A53043

Batch No.:24BTCAICYB02

Cours:AI Assisted Code

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:

```
def reverse_string(input_string):  
    return input_string[::-1]  
  
# Example usage  
original_string = "Hello,  
reversed_string = reverse_ 'Hello, Colab!'  
print(f"Original string: {original_string}")  
print(f"Reversed string: {reversed_string}")
```

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