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# Project Documentation: C Programming Exercises

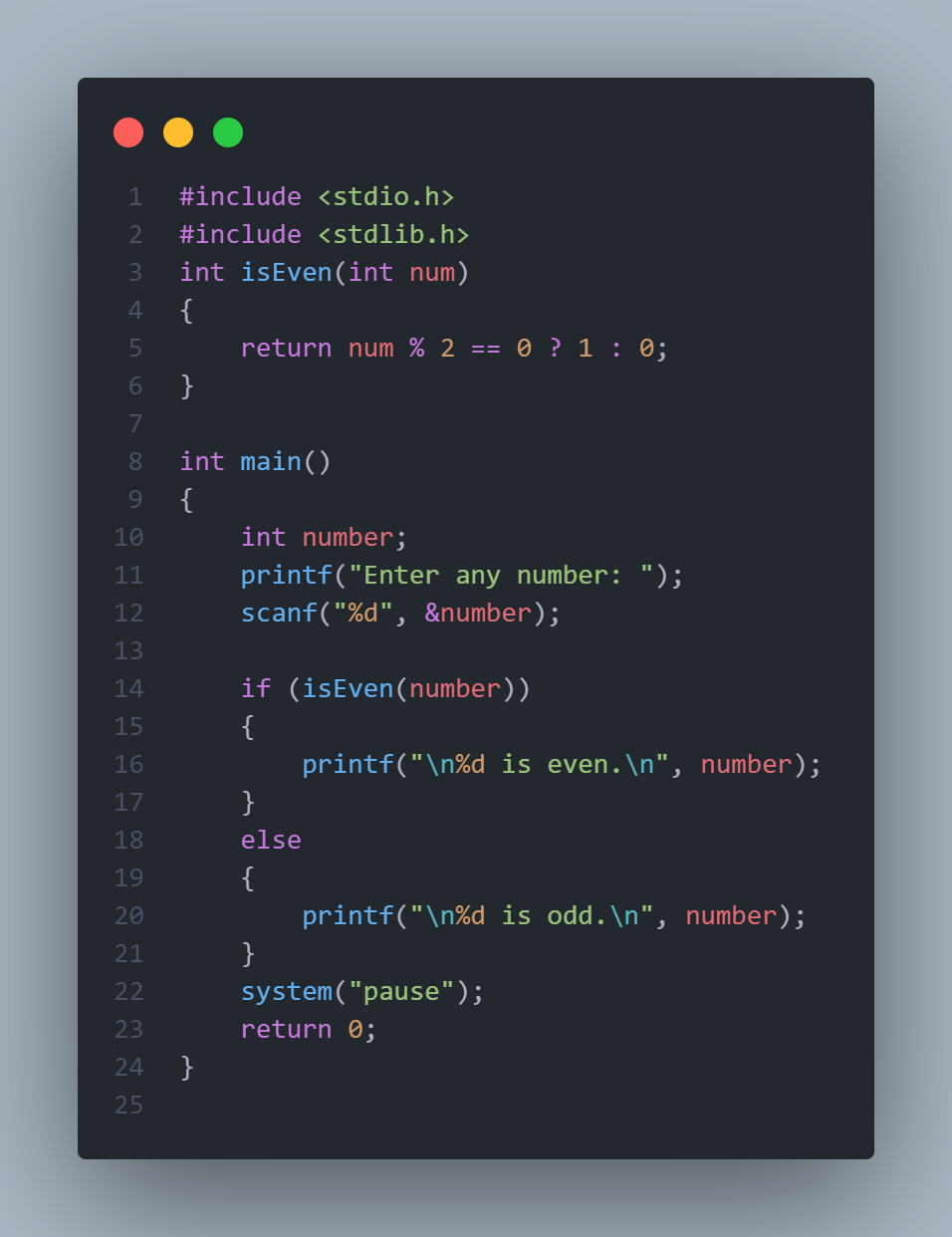
## Introduction

This document provides a comprehensive overview of various C programming exercises. Each section includes the purpose of the program, the code, and instructions for compiling and running the program.

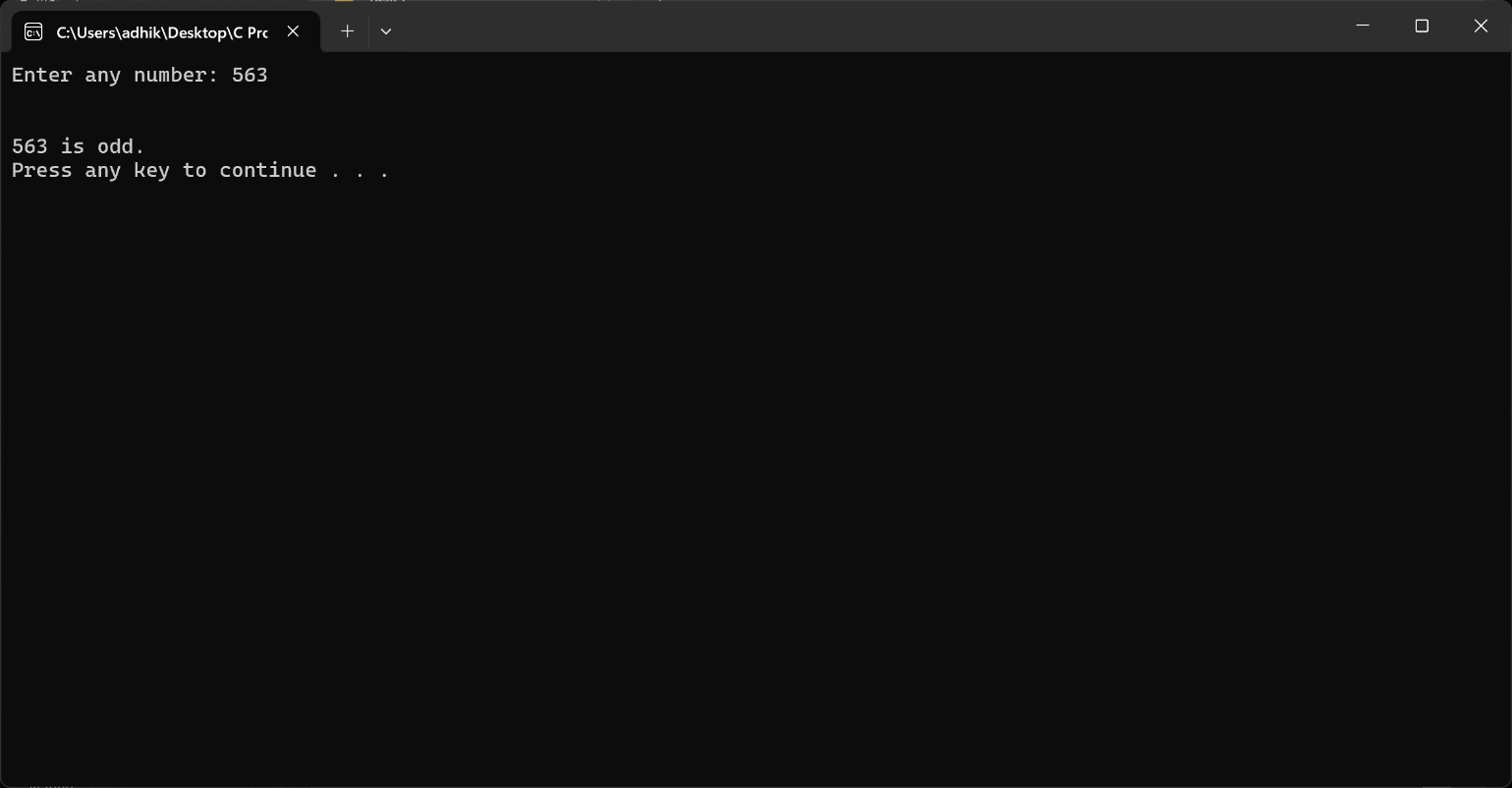
## Programs

### 2.1 Check if a Number is Even or Odd

#### Code:



#### Output:



### 2.2 Maximum of Three Numbers

#### Code:

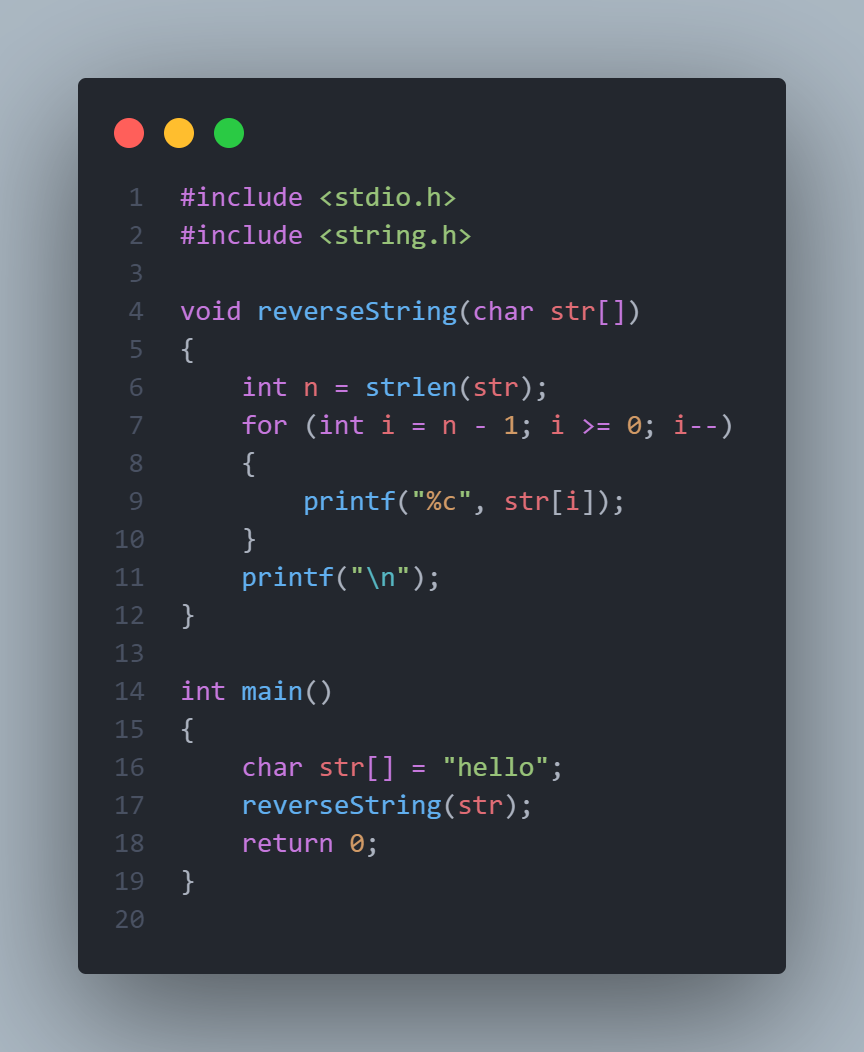


#### Output:

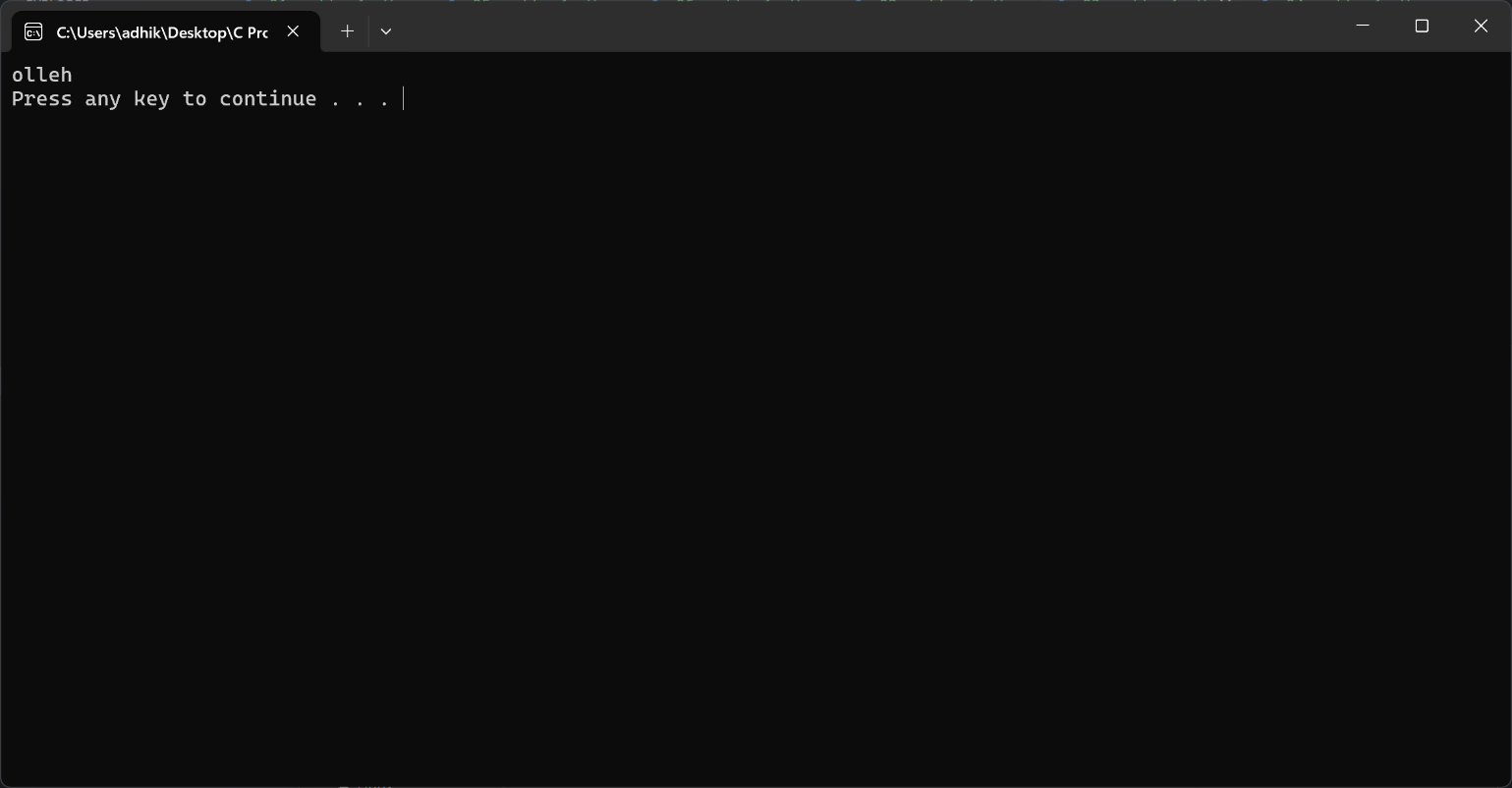


### 2.3 Reverse a String

#### Code:

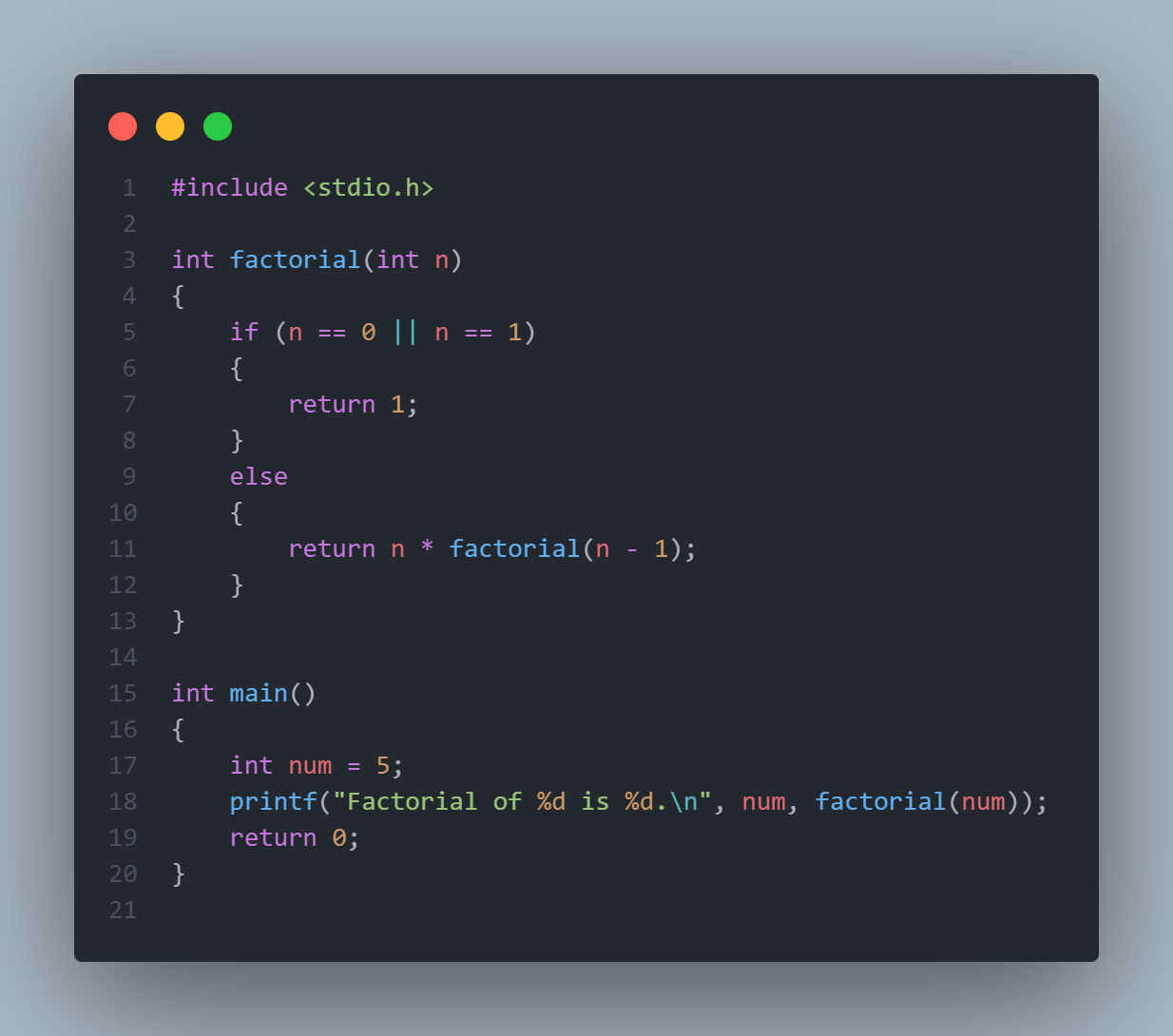


#### Output:

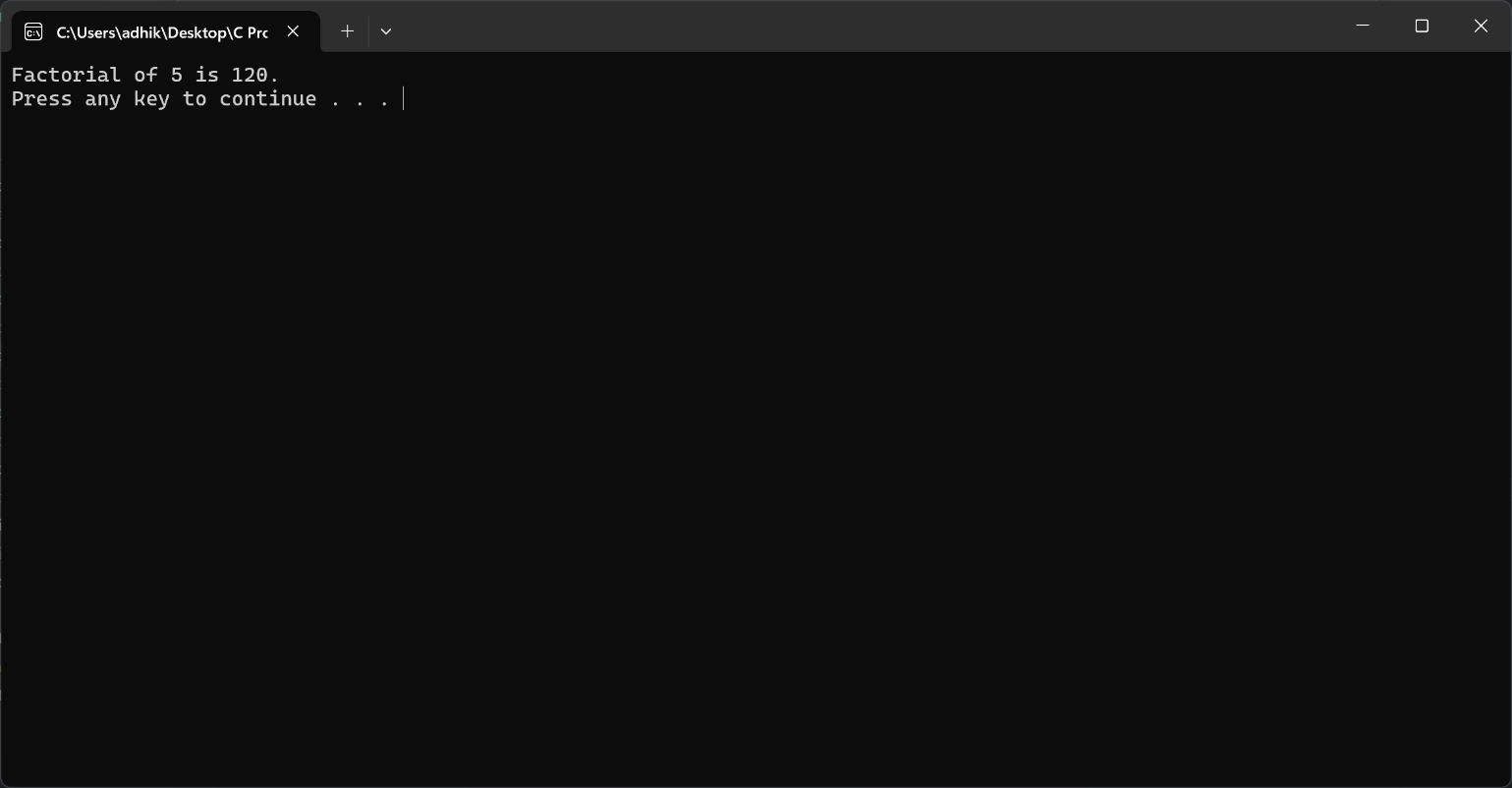


### 2.4 Factorial of a Number Using Recursion

#### Code:

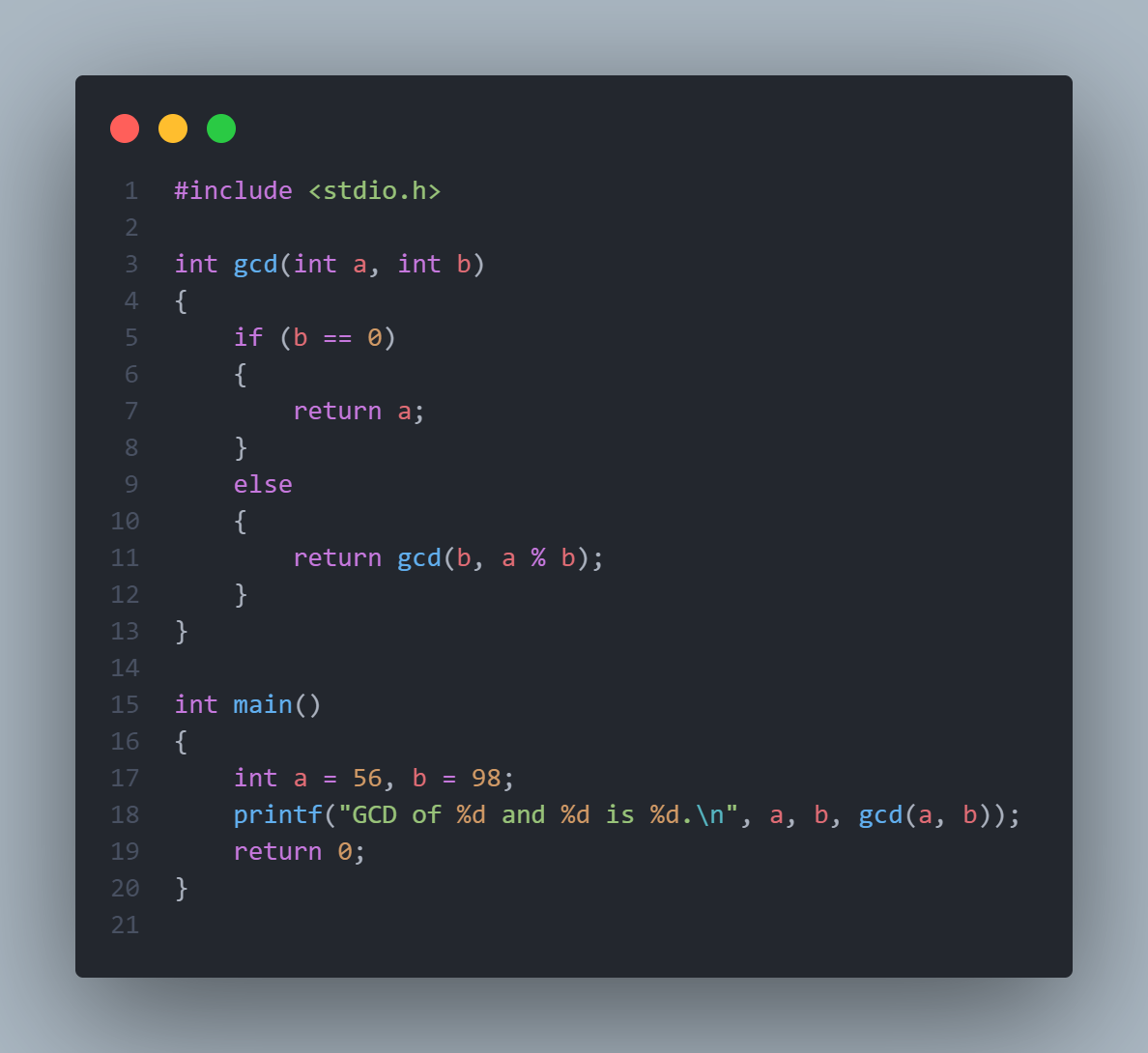


#### Output:

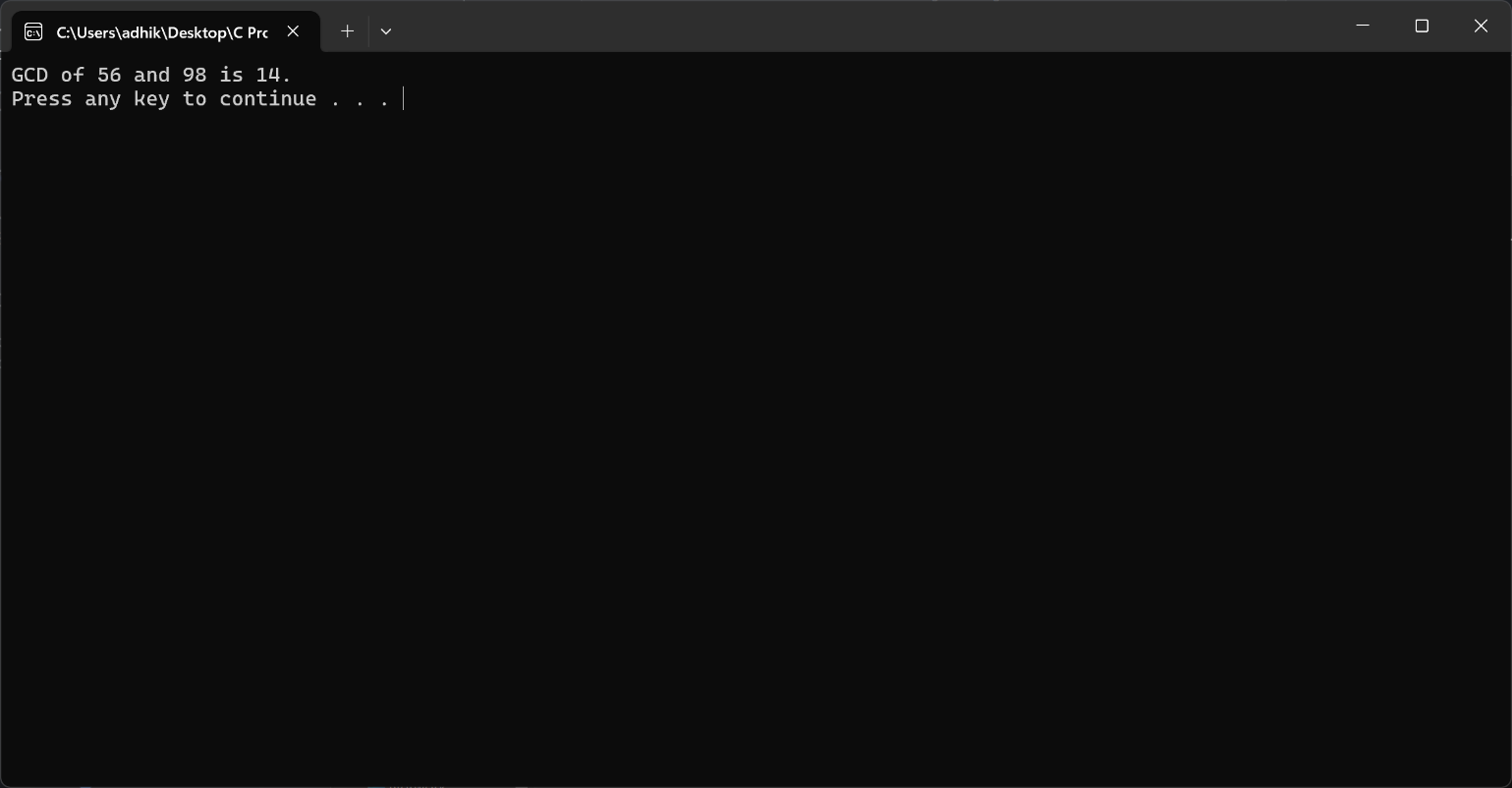


### 2.5 Two Numbers Using the Euclidean Algorithm

#### Code:

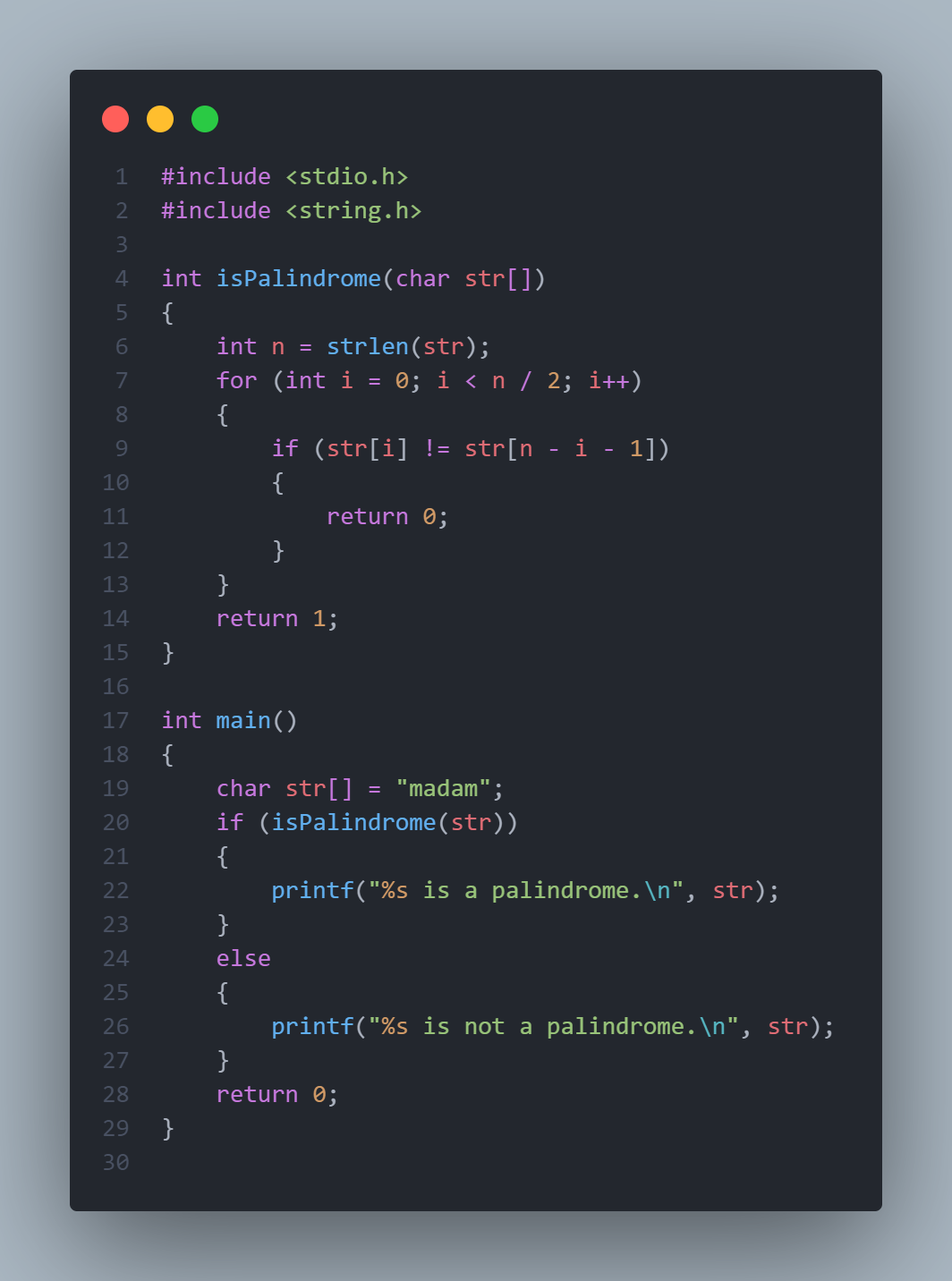


#### Output:

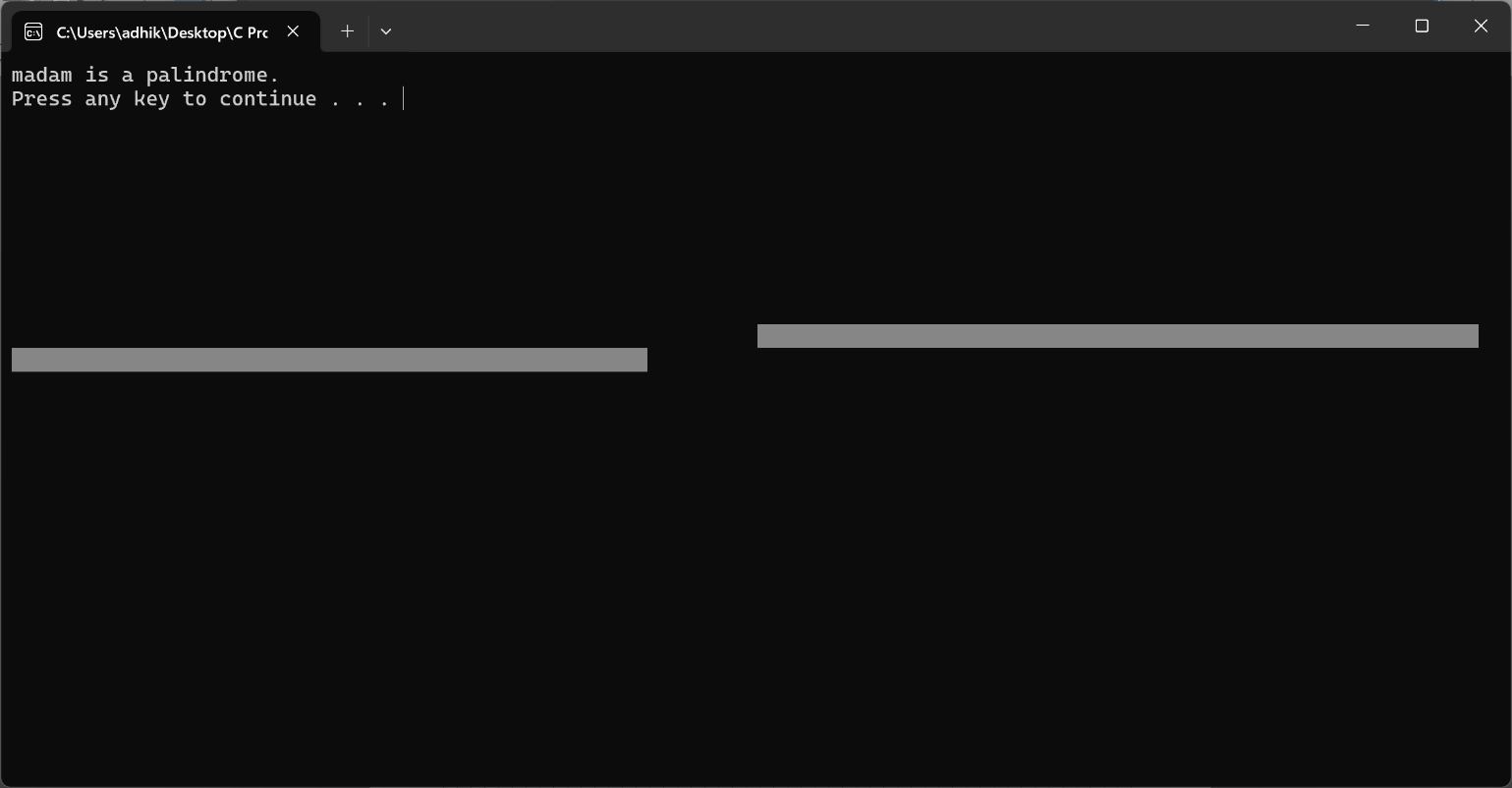


### 2.6 Check if a String is a Palindrome

#### Code:



#### Output:



## Conclusion

This document provides a detailed overview of the various C programming exercises, including explanations, code, and instructions for each program. Please refer to the screenshots provided to see the programs in action.

## References

**C Programming Language - K&R**

* *Authors:* Brian W. Kernighan and Dennis M. Ritchie
* *Description:* A seminal book on C programming, providing foundational knowledge and in-depth explanations of C syntax and features.
* *Link:* [The C Programming Language](https://www.amazon.com/C-Programming-Language-Brian-Kernighan/dp/0131103628)

**GNU C Library Documentation**

* *Description:* Official documentation for the GNU C Library, providing detailed information on C standard library functions and their usage.
* *Link:* GNU C Library Documentation

**GeeksforGeeks: C Programming Language**

* *Description:* A comprehensive collection of articles, tutorials, and coding examples for learning C programming concepts and solving problems.
* *Link:* GeeksforGeeks C Programming