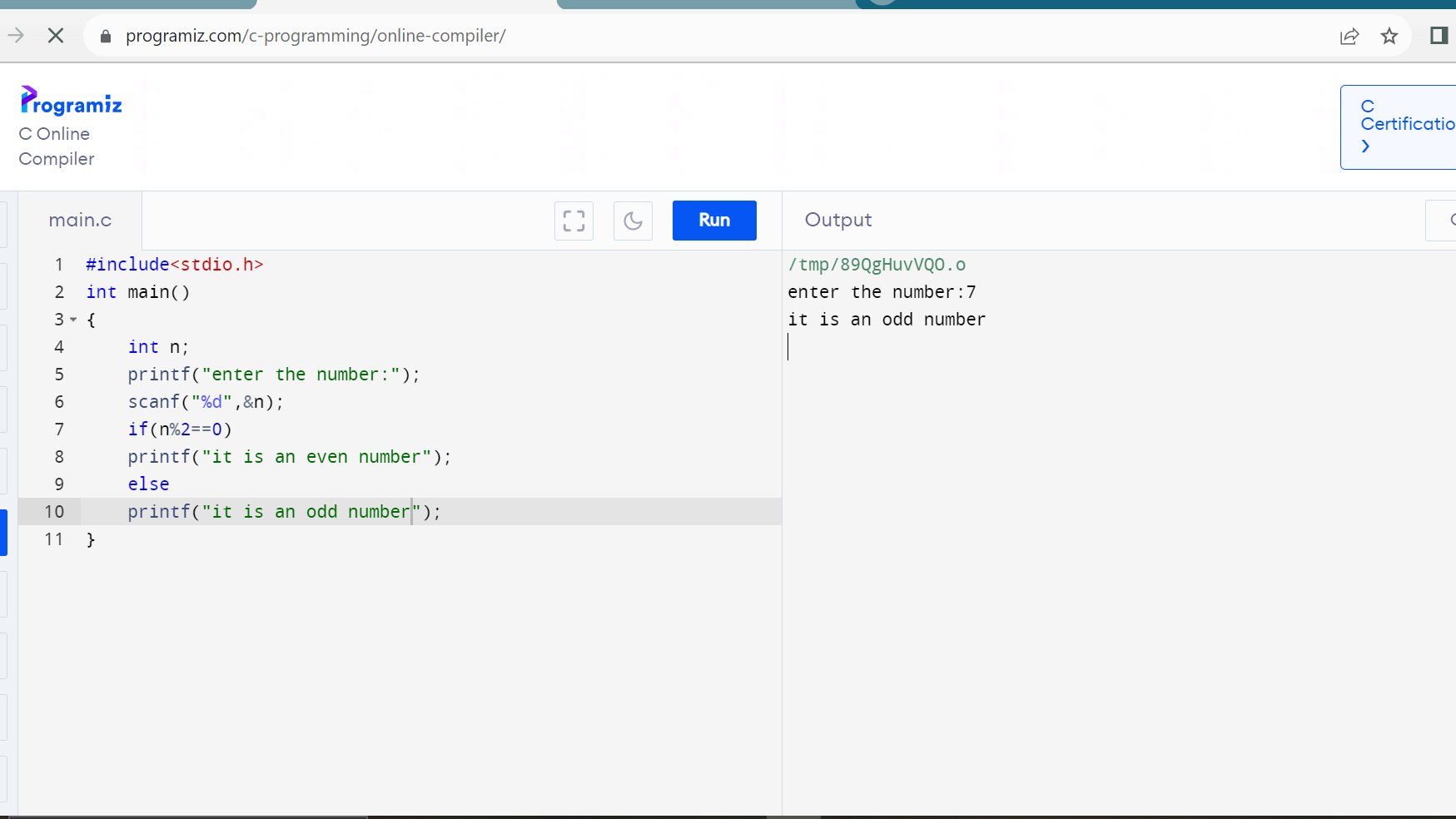
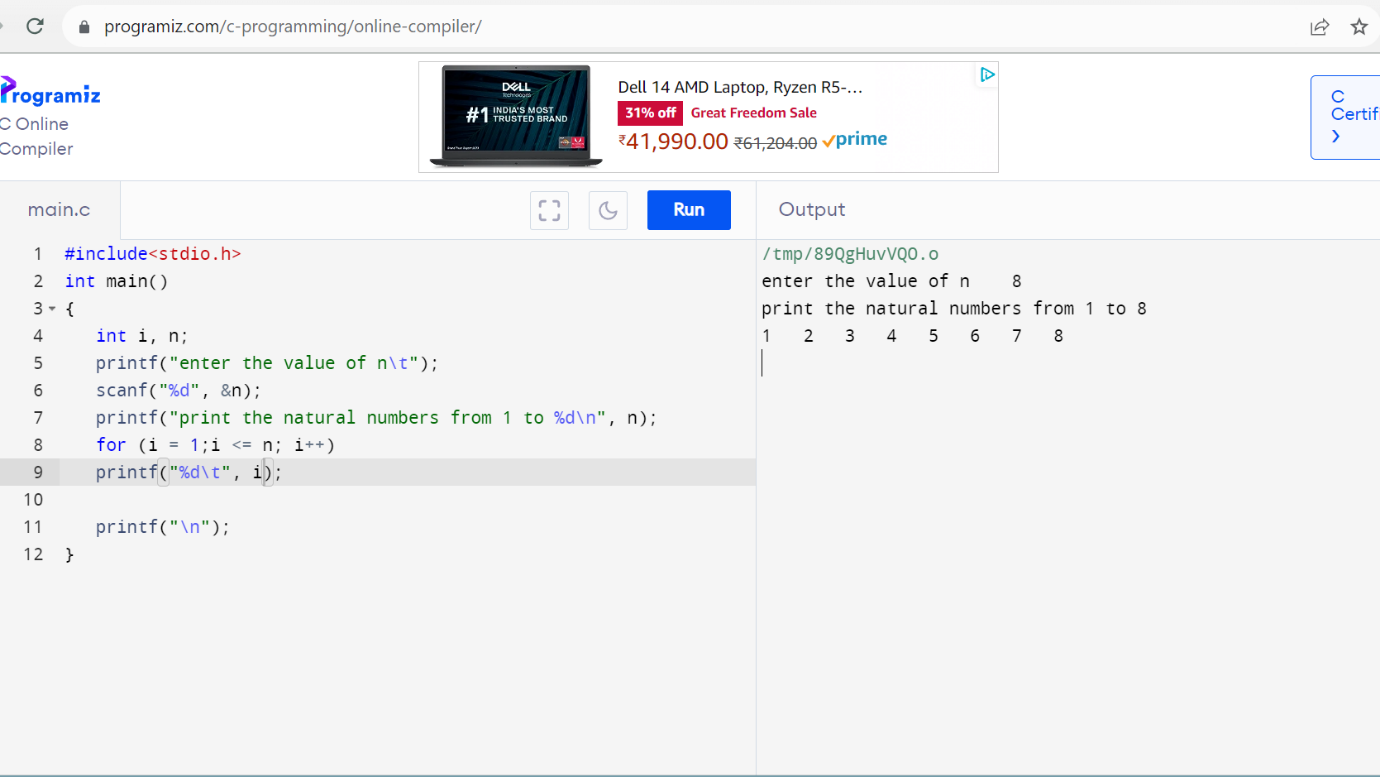
**Day – 1**

**DATA STRUCTURES – BASIC C PROGRAMMING - 1**

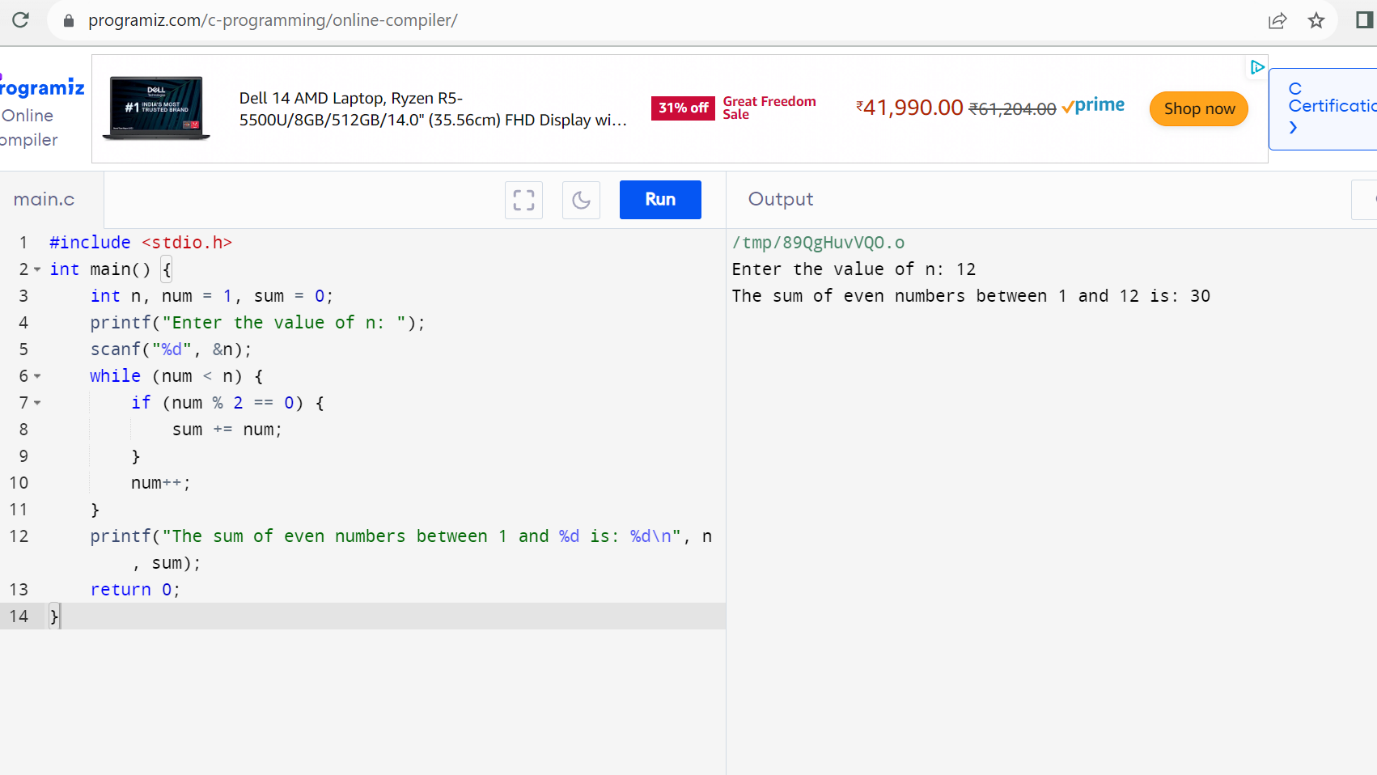
1. Write a c program to check the given numbers is even or odd.



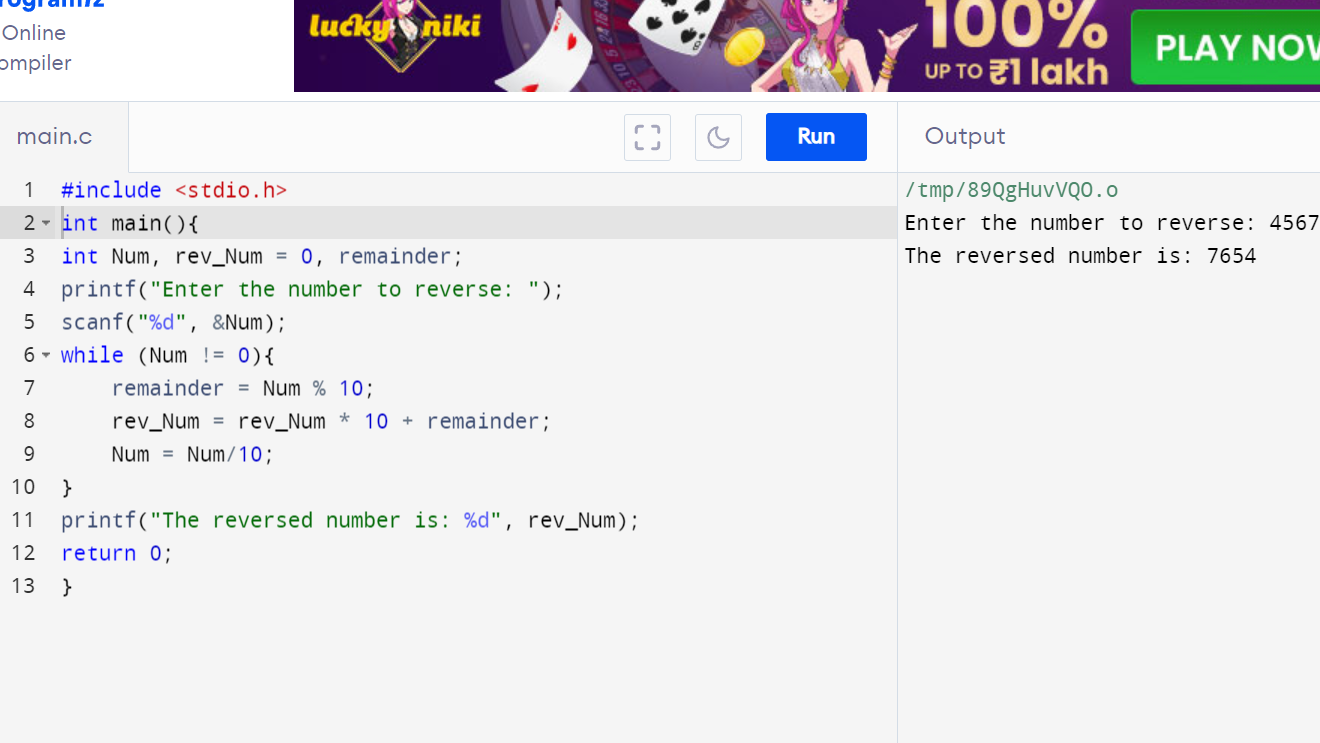
1. Write a c program to find the sum of first n numbers using for loop.



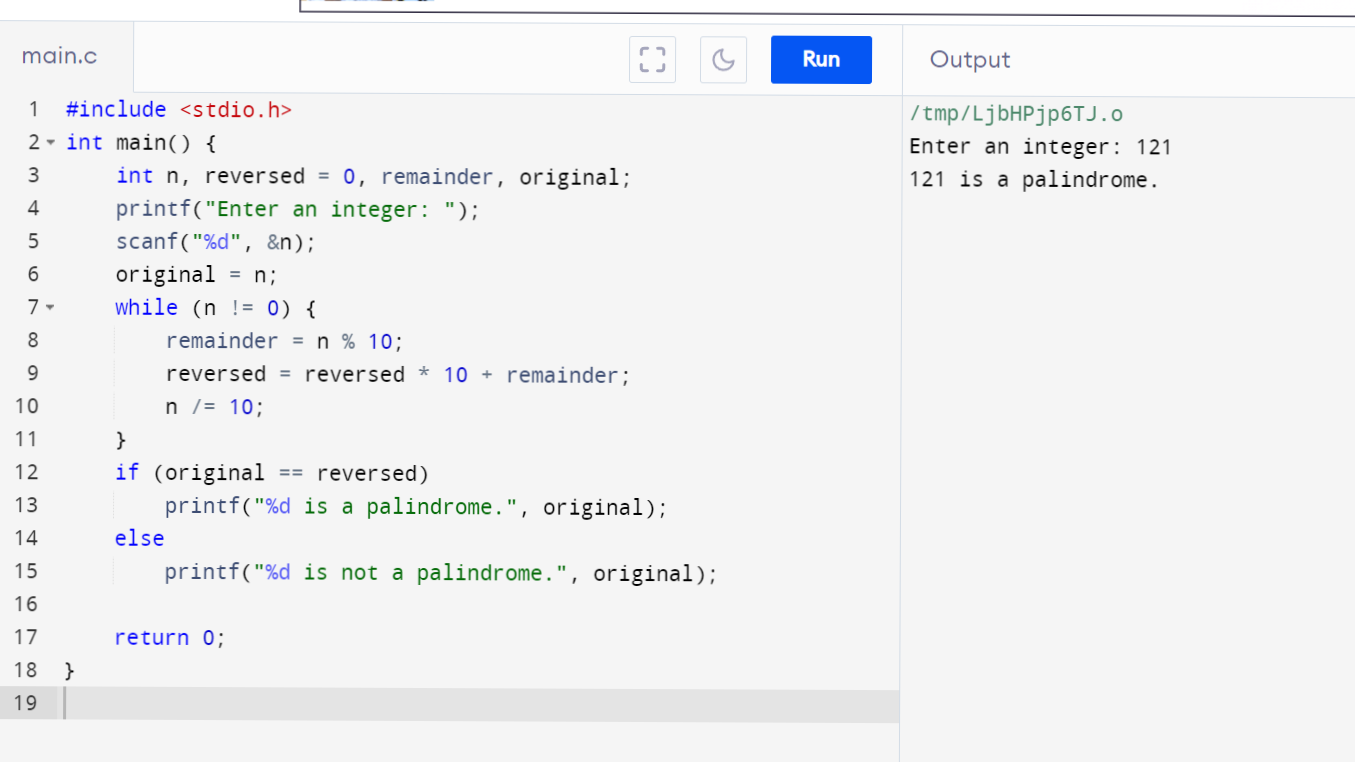
1. Write a c program to find sum of even numbers using while loop.



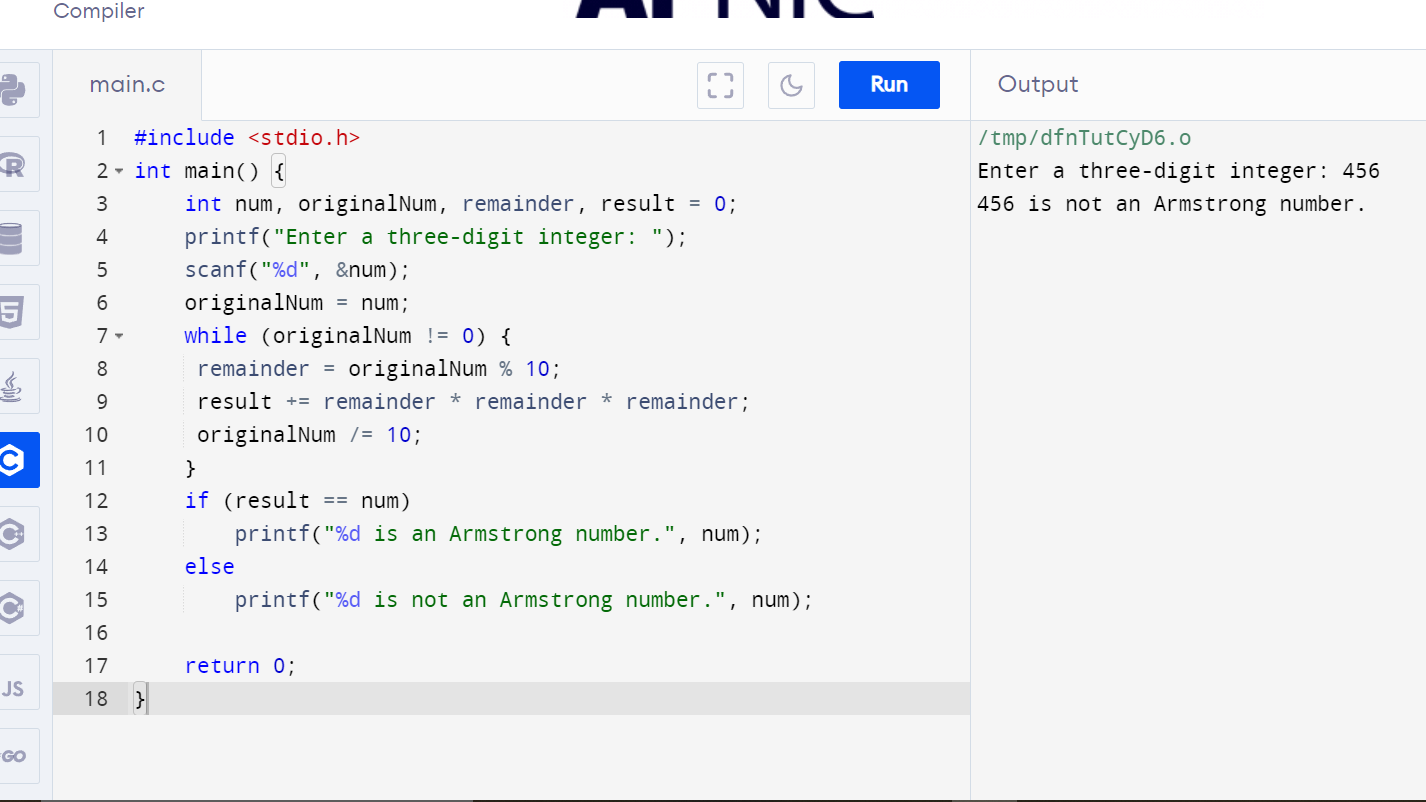
1. Write a c program to reverse a given number.



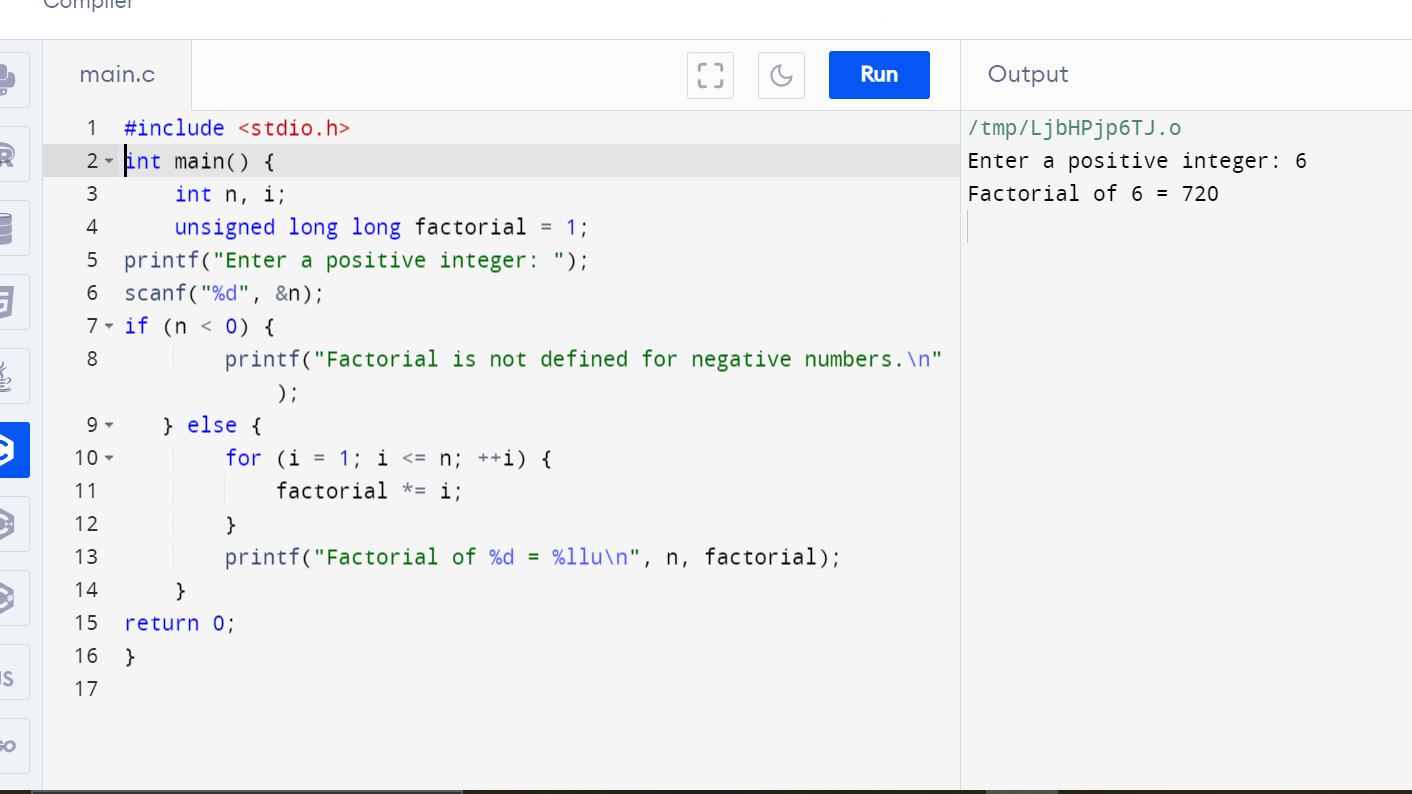
1. Write a c program to check the given numbers is palindrome or not.



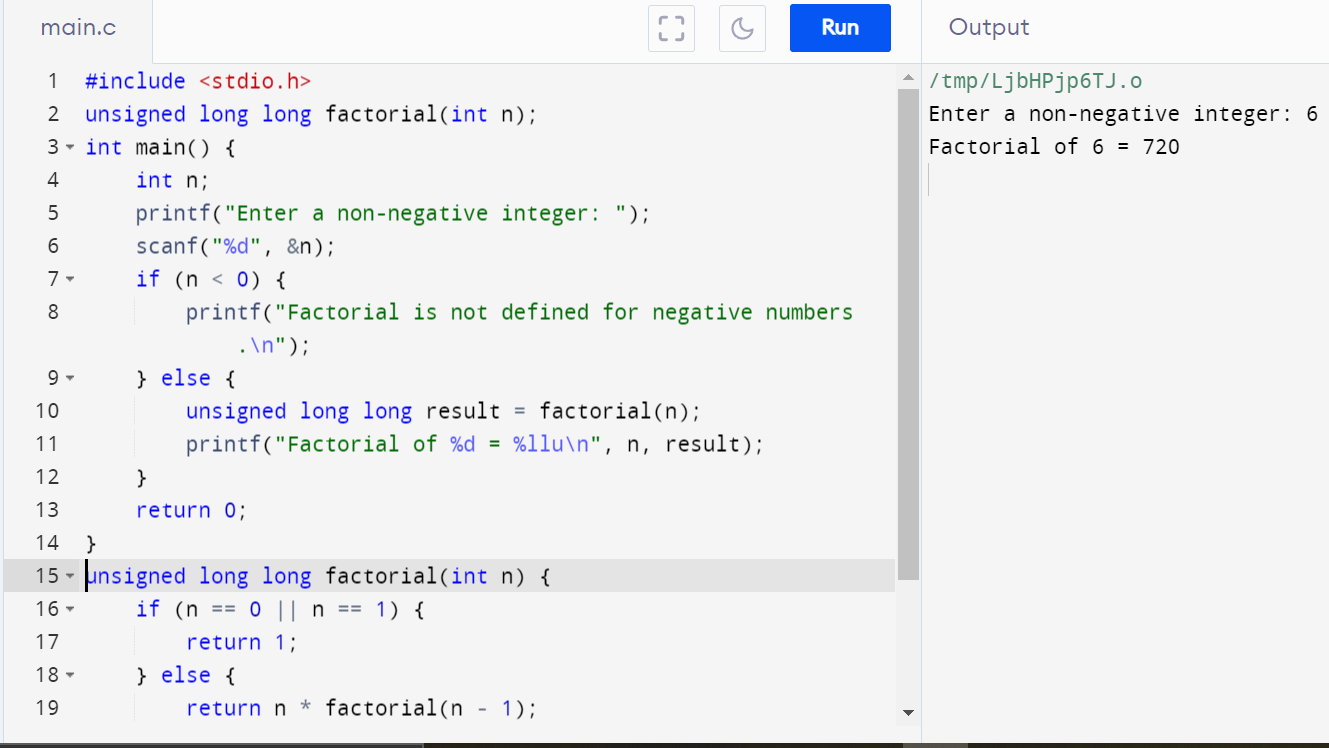
1. Write a c program to check the given number is Armstrong or not.



1. Write a c program to find factorial of given number without recursion.



1. Write a c program to find factorial of given number with recursion.



1. Write a c program to generate Fibonacci series without recursion.

A screenshot of a computer program

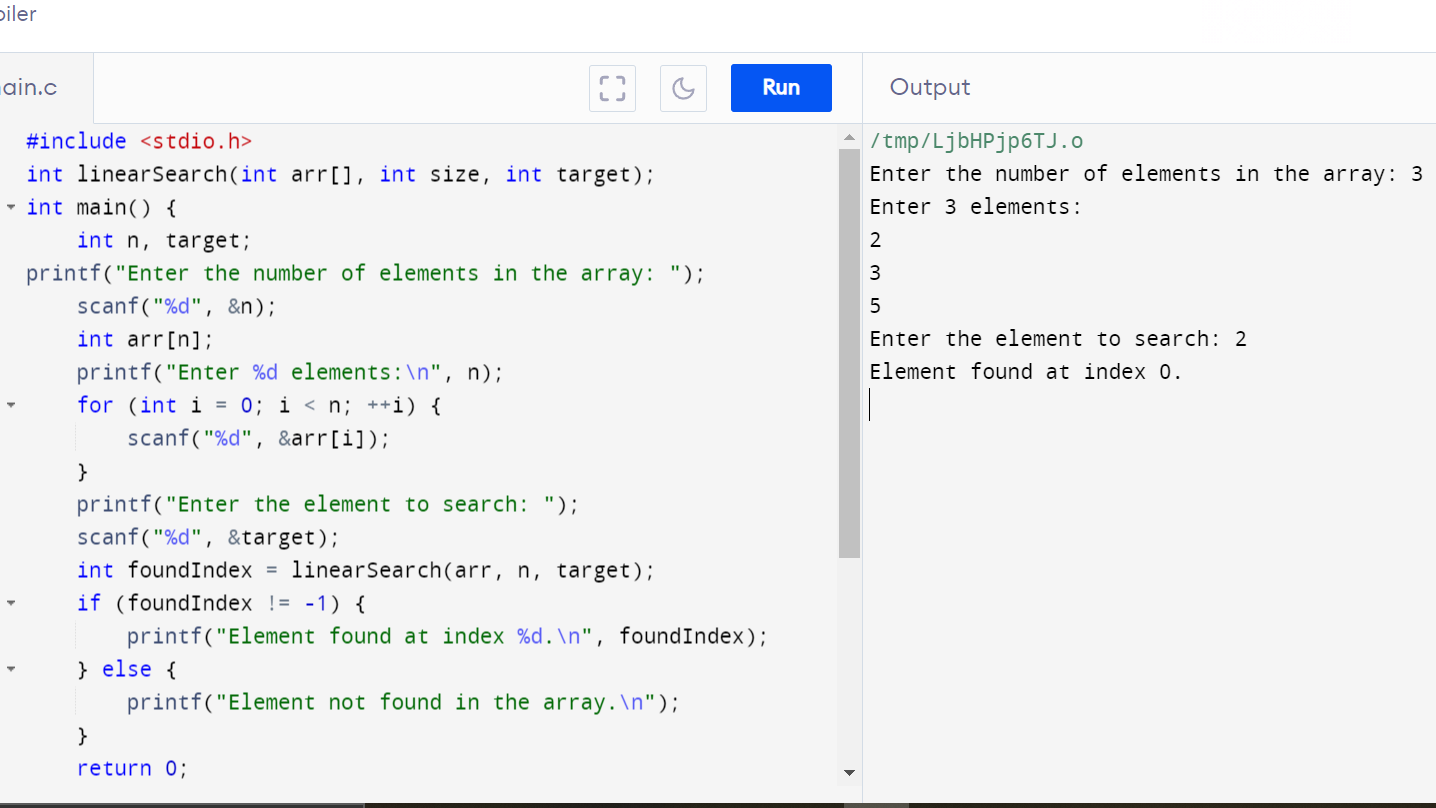
Description automatically generated

1. Write a c program to generate Fibonacci series with recursion.

A screenshot of a computer

Description automatically generated

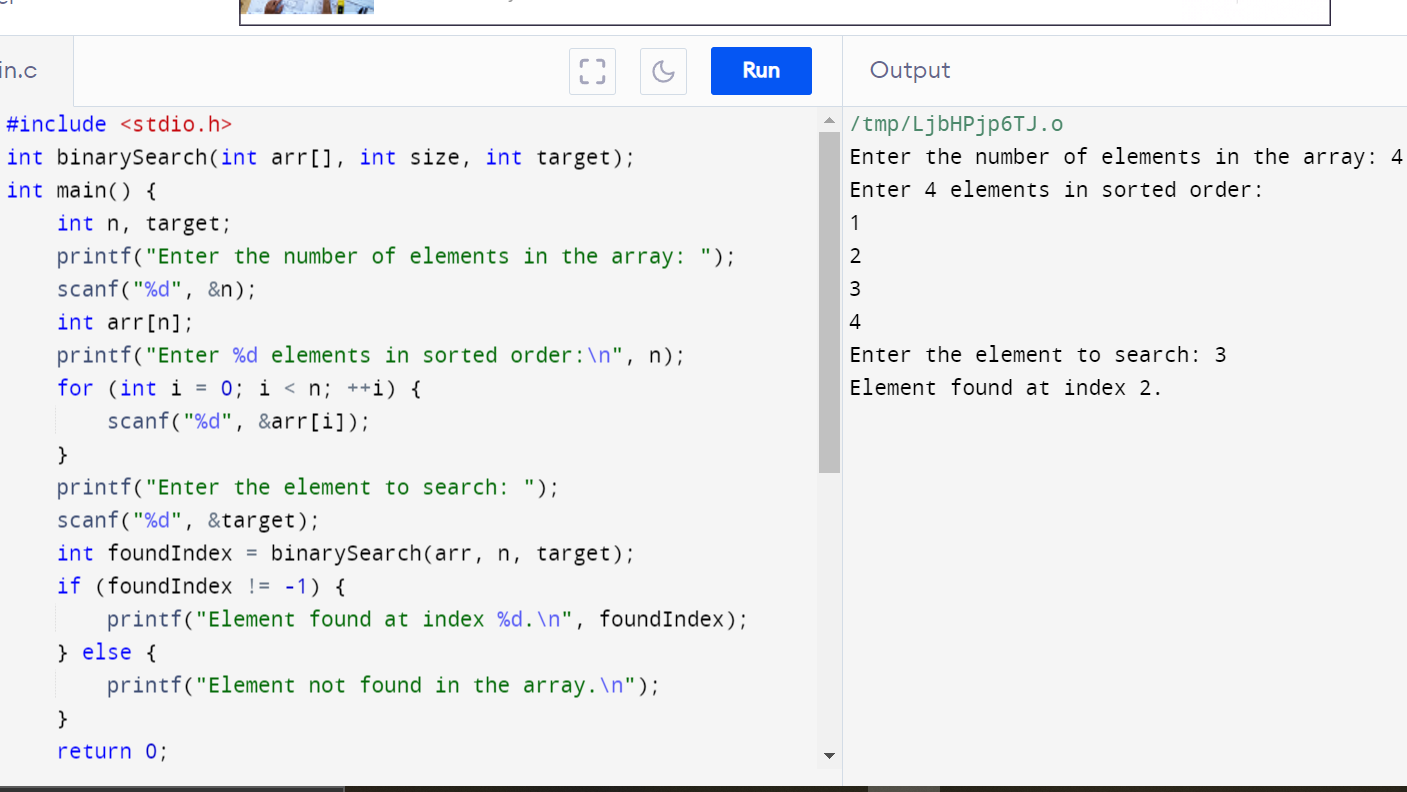
1. Write a c program to search element in an array using linear search.



A screenshot of a computer

Description automatically generated

1. Write a c program to search element in an array using binary search.



A screenshot of a computer program

Description automatically generated