

Problem Description:

A palindromic prime pair is a special type of prime number pair. A prime number is a positive integer greater than 1 that has no divisors other than 1 and itself. A palindrome is a number that reads the same forwards and backwards. For example, 131 is a palindrome.

In this problem, you are asked to find and display pairs of prime numbers, where both numbers are palindromes. Additionally, both numbers in the pair must be prime numbers. In your main function, do not forget to take an input **limit** from the user. Hence, you will have to find and display all palindromic prime pairs within the given limit.

Example:

Let's say the user provides a limit of 1000. The program should then search for pairs of prime numbers, both of which are palindromes, and print them if they are found. For example, the pair (131, 131) is a valid palindromic prime pair.