public class Prime {

public static void main(String[] args) {

int num = 7;

boolean flag = false;

for (int i = 2; i <= num / 2; ++i) {

// condition for nonprime number

if (num % i == 0) {

flag = true;

break;

}

}

if (!flag)

System.out.println(num + " is a prime number.");

else

System.out.println(num + " is not a prime number.");

}

}