mport java.util.Scanner;  
import java.lang.Math;  
public class main {  
 public static void main(String[] args) {  
 Scanner scan = new Scanner(System.*in*);  
 /\*System.out.println("Enter the first number: ");  
 int num1 = scan.nextInt();  
 System.out.println("Enter the second number: ");  
 int num2 = scan.nextInt();  
 if (num1 > num2) {  
 int temp = num1;  
 num1 = num2;  
 num2 = temp;  
 }  
 for (int i = num1; i < num2; i ++ ){  
 if (i%2 == 0){  
 System.out.println(i);  
 }  
 }  
 System.out.println("Enter the first number: ");  
 int num1 = scan.nextInt();  
 System.out.println("Enter the second number: ");  
 int num2 = scan.nextInt();  
 if (num1 > num2) {  
 int temp = num1;  
 num1 = num2;  
 num2 = temp;  
 }  
 int factorial = 0;  
 for (int i = num1; i < num2; i ++ ){  
 if (i%2 == 0){  
 System.out.println(i);  
 factorial = factorial + i;  
 }  
 }  
 System.out.println(factorial);  
 System.out.println("Enter the first number: ");  
 int num1 = scan.nextInt();  
 System.out.println("Enter the second number: ");  
 int num2 = scan.nextInt();  
 if (num1 > num2) {  
 int temp = num1;  
 num1 = num2;  
 num2 = temp;  
 }  
 int sum = 0;  
 int avgNo =0;  
 for (int i = num1; i < num2; i ++ ){  
 if (i%5 == 0){  
 System.out.println(i);  
 sum = sum + i;  
 avgNo = avgNo + 1;  
 }  
 }  
 System.out.println(sum);  
 System.out.println("Average: " + sum/avgNo);  
  
  
 System.out.println("enter a number");  
 int num = scan.nextInt();  
 int factorial = 1;  
 for (int i = num; i >=1; i--){  
 factorial = factorial\*i;  
 }  
 System.out.println("Factorial: " + factorial);  
  
 System.out.println("enter a number");  
 int num1 = scan.nextInt();  
 System.out.println("enter the second number");  
 int num2 = scan.nextInt();  
  
 int pow = 1;  
 for (int i = 1; i <= num2; i++ ){  
 pow = num1\*pow;  
 }  
 System.out.println(pow);  
  
  
 System.out.println("enter a number");  
 int num = scan.nextInt();  
 for ( int i = 1; i<= num; i++){  
 if (num%i ==0){  
 System.out.println(i);  
 }  
 }  
 System.out.println("enter a number");  
 int num = scan.nextInt();  
 for (int i = 1; i <= num; i++) {  
 if (num % i == 0 && i%2==0) {  
 System.out.println(i);  
 }  
 }\*/  
 boolean prime = true;  
 System.*out*.println("enter a number");  
 int num = scan.nextInt();  
 for (int i = 2; i < num; i++) {  
 if (num % i == 0) {  
 prime = false;  
 }  
 }  
 System.*out*.println(prime);  
 if (prime == false) {  
 System.*out*.println(num + " is not prime number");  
 } else {  
 System.*out*.println(num + " is a prime number");  
 }  
 }