```java
package method_programs;

import java.util.Scanner;

public class primeno_inrecurs{
    static boolean prime(int n,int i) {
        if(n<=i){
            return(n==i);
        }
        if(n%i==0){
            return false;
        }
        if(i*i>n){
            return true;
        }
        return prime(n,i+1);
    }
    public static void main(String[] args){
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a number: ");
        int n = scanner.nextInt();
        if(prime(n,2)) {
            System.out.println(n + " is a prime number.");
        }
        else{
            System.out.println(n + " is not a prime number.");
        }


    }
}
```

output :

Enter a number:
13

13 is a prime number