```
import java.util.*;
public class primenumber{
                      public static void main(String[] args) {
                                           Scanner s= new Scanner(System.in);
                                           System.out.print("Enter a number: ");
                                           int num = s.nextInt();
                                           boolean flag = false;
                                           for (int i = 2; i \le num / 2; ++i) {
                                                                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.");
                      }
                                                                                                                                                                                                                                                                                                                                                                      ■ □ □ □ □ −
                                                                                                                      boolean flag = false;
for (int i = 2; i <- num / 2; ++i) {
    // condition for nonprime number
    if (num % i == 0) {
        flag = true;
        break;</pre>
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Enter a number: 13
13 is a prime number.
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