

```

import java.util.Scanner;

public class Main {

    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);

        int a, b, i, j, flag;

        System.out.println("Enter lower bound of the interval: ");
        a = sc.nextInt();

        System.out.println("\nEnter upper bound of the interval: ");
        b = sc.nextInt();

        System.out.printf("\nPrime numbers between %d and %d are: \n", a, b);

        for (i = a; i <= b; i++) {

            if (i == 1 || i == 0)
                continue;

            flag = 1;

            for (j = 2; j <= i / 2; ++j) {
                if (i % j == 0) {
                    flag = 0;
                    break;
                }
            }

            if (flag == 1)
                System.out.println(i);
        }
    }
}

```

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args)
5     {
6         Scanner sc = new Scanner(System.in);
7
8         int a, b, i, j, flag;
9
10        System.out.println("Enter lower bound of the interval: ");
11        a = sc.nextInt();
12
13        System.out.println("\nEnter upper bound of the interval: ");
14        b = sc.nextInt();
15
16        System.out.printf("\nPrime numbers between %d and %d are: \n", a, b);
17
18        for (i = a; i <= b; i++) {
19
20            if (i == 1 || i == 0)
21                continue;
22
23            flag = 1;
24
25            for (j = 2; j <= i / 2; ++j) {
26                if (i % j == 0) {
27                    flag = 0;
28                    break;
29                }
30            }
31
32            if (flag == 1)
33                System.out.println(i);
34        }
35    }
36}
```

Input

Enter upper bound of the interval:
15

Prime numbers between 5 and 15 are:
5
7
11
13

...Program finished with exit code 0
Press ENTER to exit console