

```
import java.util.Scanner;
```

```
public class Maind
```

```
{  
    public class 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.println("\nPrime numbers between " + a + " and " + b + " are:");
```

```
        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);
```

```
    }
```

