

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

public class Prime {
    public static void main(String[] args)
    {
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        int isprime[]=new int[n+1];
        for(int i=2;i<n+1;i++)
            isprime[i]=1;
        for(int i=2;i*i<=n;i++)
        {
            for(int j=i;j*i<=n;j++)
            {
                isprime[j*i]=0;
            }
        }
        for(int i=2;i<n+1;i++)
            if(isprime[i]==1)
                System.out.println(i);
    }
}
```