```java
import java.util.*;
public class NextAndPreviousImmediatePrimeDifference {

    public static void main(String[] args)
    {
     Scanner s= new Scanner( System.in);
             int n=s.nextInt(),n1=n,n2=n;
             int pf=0;
             int c=0;
             for(int i=1;i<n/2;i++)
             {
                 if(n%i==0)
                 c++;
             }
             if(c==1)
             pf=1;
             if(pf!=1)
             {
                 int fp=0;c=0;
                 while(fp!=1)
                 {
                     n1++;c=0;fp=0;
                     for(int i=1;i<n/2;i++)
                     {
                         if(n1%i==0)
                         c++;
                     }
                     if(c==1)
                     fp=1;
                     if(n1<10 && c==2)
                     fp=1;
                 }
                 System.out.println(n1);
                 int bf=0;c=0;
                 while(bf!=1)
                 {
                     n2--;c=0;bf=0;
                     for(int i=1;i<n/2;i++)
                     {
                         if(n2%i==0)
                         c++;
                     }
                     if(c==1)
                     bf=1;
                     if(n2<10 && c==2)
                     bf=1;
                 }
                 System.out.println(n2);
             }
             if(pf==1)
       System.out.println("0");
       else
       System.out.println(n1-n2);
      }
}
```