

Program to print next prime no.

```
import java.io.*;
class prNext
{ public static void main(String Ar[])
    { int a=0,i,j;
      DataInputStream ins=new DataInputStream(System.in);
      try
      { System.out.println("Enter the no.:");
        a=Integer.parseInt(ins.readLine());
      }
      catch(IOException e)
      {}
      for(j=a+1;;j++)
      { for(i=2;i<j;i++)
        { if(j%i==0)
          break;
        }
        if(i==j)
        { System.out.println("Next prime no is:"+j);
          break;
        }
      }
    }
}
```

Output:

```
C:\Documents and Settings\Administrator\Desktop\java\14-08>
C:\Documents and Settings\Administrator\Desktop\java\14-08>javac prNext.java
Note: prNext.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

C:\Documents and Settings\Administrator\Desktop\java\14-08>java prNext
Enter the no.:
34
Next prime no is:37
```