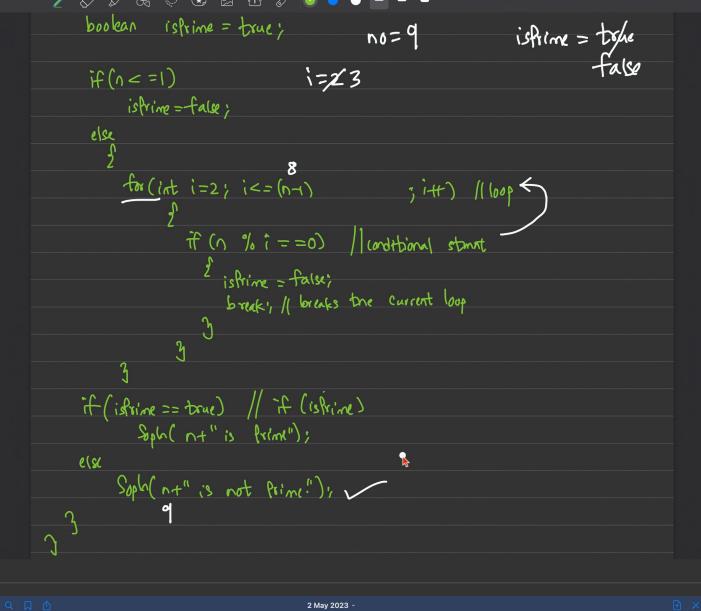
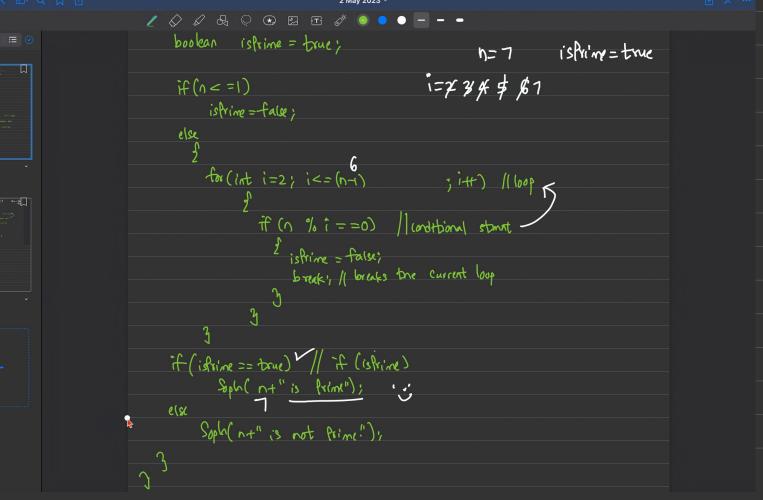
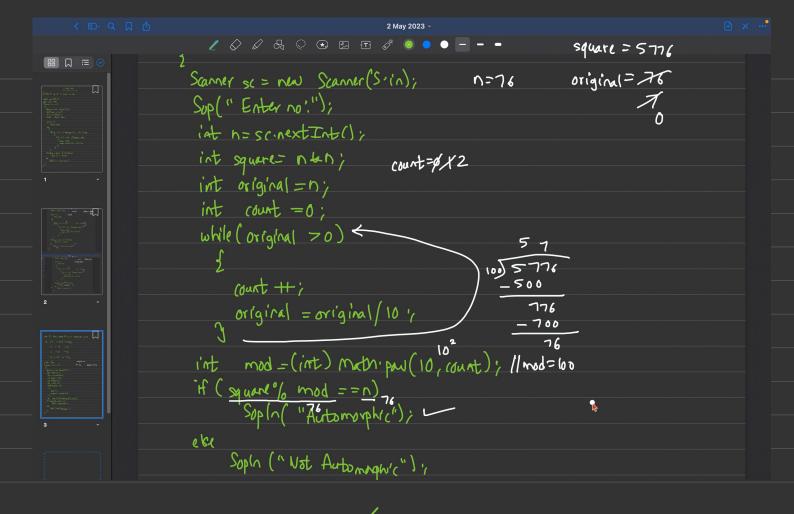
```
/ Check if ilp no is prime or not-
import java. atil. #;
public class Main
 { psum ( -11 ---)
    Samer & = new Scanner (S.in);
    Sop ("Enter a no!");
    int n= sc.next(nt();
    boolean isfrime = true;
    H(n < =1)
         isfrime = false;
     else
         for (int i=2; i<= Math. syxt(n); i+t) // loop
                if (n % i = =0) / (orditional stant
                  istrine = false;
                     break; / breaks the current loop
    if (istrine == true) / if (istrine)
          Soph (n+" is frim");
   e(sc
```





```
WAP to check whether the nois automorphic or not.
 eg: 25 \rightarrow (25)^2 \rightarrow 625
      76 \rightarrow 76^2 \rightarrow 5776
                                        original =76
class Main
                                       N=76 square=5776
{ psum (-(1--)
  Scanner sc = new Scanner (5 'in);
   Sup (" Enter no:");
   int n=sc.nextInt();
    int square nun;
    int original =n;
    int count =0;
    while (original >0)
      court ++;
      original = original/10 /
   int mod = (int) math pau (10, count);
   if ( square % mod ==n)
         'Sop(n( "Automorphic");
       Sopla ("Vot Automagnic");
```



HW:

sieve of eratosthenes ? D

Research on this

https://www.youtube.com/watch? v=16HrVRGGYNI&ab_channel=VivekanandKhyade-AlgorithmEveryDay

https://www.youtube.com/results?search_query=sieve+of+eratosthenes