```
Lount Prime number
     n -> [2 to sn]

divide by sm's to check

it prine
     n=16 > [2 to 4] => NP
for (i=2: i * i <=n: i++) [
    jf (n% i = = 0)
       return hen prive
 return prine
it range mein karna hai thère are 2 approaches
 (i) Brute force
   for (n=2; n 2= N; n++)2
        is Prine = true;
         for (i=2: i * i <=n: i++) [
             jf (n% i = = 0)
                isPrim = fallel
         return "Prive"
    Sieve of Eratosthenes
     assume au nos are prine
    eg: if you're at 2 then declare
         all multiples as von prine
         so range mein Lam numbons hai
    vector <bool> is Prive (n+1, true);
    for (i=2; i<n; i++)2
        it (isprive [i]) 2
           ans t+
            for (j=i+2,j\leq n,j=j+i) &
                 js Prim [j] = falle;
```