```
Nome: SV. Sumonth kimas Reddy
 #include <bits | stdc. ++ah >
using nomespace std.
11 Fill Poime function fills Primes from 2 to sq 8+ of
  high in chpsime (vector) wrowy.
 void fill Bimes (vector < im > & Prime, int high)
 8.
  bool CK Chigh + 1];
  mem set (ck, true, size of (CK));
    CK[i] = false.
     CK(0) = false
 for Cht i= 2; (i*) <= high; i++) &.
   if (CKCi) == true) &.
 fox. Cint; i * ) <= high; j= j + 1) &.
     : 92/cof= (iJu)
  3
  3
 3.
for Cinti=2; ix; <= high; 1++) &.
  : & ( sust = = (i) 20 71
 Poince, Puch - booce (i);
10000
The segment sieve we check for prime from swase.
  Chow, high)
 void segmented sievie (int low, int
```

```
Bool Prime [high-low+1]
  menset (prime, true, size of (prime));
 rector < iV+> crbime.
 fill Primes (Charine, high);
  11 Ch Primer hose beine in earlige [5' salt CW].
 I we take reimer for 2 to 38xt[1] because the multiple of on
  Primes below high are marked by these
 i once worked pleuser is rounde [500+ (Ad)].
  for Cint i : chprime ) &.
 intlower: (Jouli);
 if (doser ==1) E.
    lower = 1+1; &.
 else if ( souri) ti;
 29
8 9219
 Joues: (Jases * 1): &.
For Cinti: lower ie high; i=i+i) &.
  Poinc (i- low I= fore; 3.
3.
for Cint i slow; it shigh; it + ) &.
  if (Prime Ei-Jas) :: true) &.
    coot << (i) < <
39
int movin ()
Q.
11 you should be dee afer than or Ednal to E.
    int low = 6:
Int high : 24;
Coop ocuberted sions (low ninty), Le più N's nie lu,
```

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Name: - S.V. Somoonth Komas Reddy
5) #include < bits | stac ++ . h >
 using normes parce 8+6;
noig toggle Chare (Char Str [])
 for Cint 1:0; 211 (1) 1: (10); 1+4)
¿ ( CZLE ( ) ) > ; ( b) & & Stry ] < = ( +)
  (1) + [i] 818 =: [i] 812 =: [i] 812
 ('5':>(i) 818, 88 'w': <(i) 818; ) 7i 9219
   Str [i] = 'A' + (i) 2+2 = (i) 2+8
 3
in movin ()
8.
 Char Ste []: "ProGrammes",
 toggle chargests);
(out ec. "string whiter toggle " << end 1;
Cout <<. 3tr rend 1;
reprise o:
3) Hinclude < Birs 12+dc++, h >
 Using name space std:
Ex +111, a +11, C Jares +11) tend boso texis fait bious
 10+ Figst = -1 2001 = -1
for cint 1=0: 1<0; 1+1) 2.
  it (x; = 012(1))
     continue;
 & (teats = e)
```

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fi = teach
 39.
 16 C E isst 1 = -1)
 Contex "first occurence = " < first
       <= " n lost occoronie . " e losse,
 9219
  Couter "NOT Round";
 8
O # include < 10 streams
 Osing name space std;
intermine)
   intn,i,i,x;
Cost << "enter the number: " = = end";
 cinson;
 for (i= 0; icn. i++)
 ¿ For (i=0:jen-i;j+4)
    (out < < " "
 FOR (K=0; K<1; K++)
 g coot cc " *" )
 2
 (out " < <" " < end 1;
 2
3
```