```
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                                                 Course MCA
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 Define n, size of array
                                                Course: DSA practical
 @ Read n, array elements from user (ascending order)
          [hetrac set blusha yarra, diraco graniet raf ]
 3 Road x, number to warch
                                1- moutor - takin > the fi
 ( ) call deinary search ( )
                    (left + right)/2
             of mid == x - return mater andex & med
 arr [mid] ~
            of x > fined love
               call beloary search (reight half)
               Call lunary search ( left_half)
 (3) Stop
Code
# include < otdio . h>
int lunary search (int arr [], int left, int right, int x) ?
      if ( left < signt) outurn-1;
      Int mid = (left + right)/2;
      id (iarz[mid] == 2) secturn mid;
      if (varz [mid] > 2) return temary acarch (varz, left, mid-1, x);
      elde oceturn lunary ocarch (our, mid+1, right, x);
 3
unt main () }
  print ("presse enter 10 elements (ascending order) " (n");
 int n = 10; int z; int auz [10];
  Hor (int i=0; i=1<n; i++) war ("%d", & arr[l]);
  printf ("Enter the number to search: ");
  vocanj ("%d", & and x);
  unt result = lunary search (arr, 0, n-1, x);
  if (result == -1) printf (" Element Not present!");
       printy (" Homent found at index "/od", @result);
```

Scaturn 0;

Dample Input/output

```
Elease anter 10 elements (according order):
20
69
142
235
344
593
595
597
598
599
600
Enter number to search: 595
Element Jourd at under: 6
```