GNU nano 4.8

include <stdio.h>

BinarySearch.c

```
void main()
 int c, first, last, middle, n, search, array[100];
 printf("Enter number of elements\n");
 scanf("%d", &n);
 printf("Enter %d integers\n", n);
 for (c = 0; c < n; c++)
  scanf("%d", &array[c]);
printf("Enter value to find\n");
scanf("%d", &search);
 first = 0;
 last = n - 1;
 middle = (first+last)/2;
 while (first <= last) {
  if (array[middle] < search)</pre>
    first = middle + 1;
   else if (array[middle] == search) {
    printf("%d found at location %d.\n", search, middle+1);
   else
    last = middle - 1;
   middle = (first + last)/2;
 if (first > last)
   printf("Not found! %d isn't present in the list.\n", search);
```





