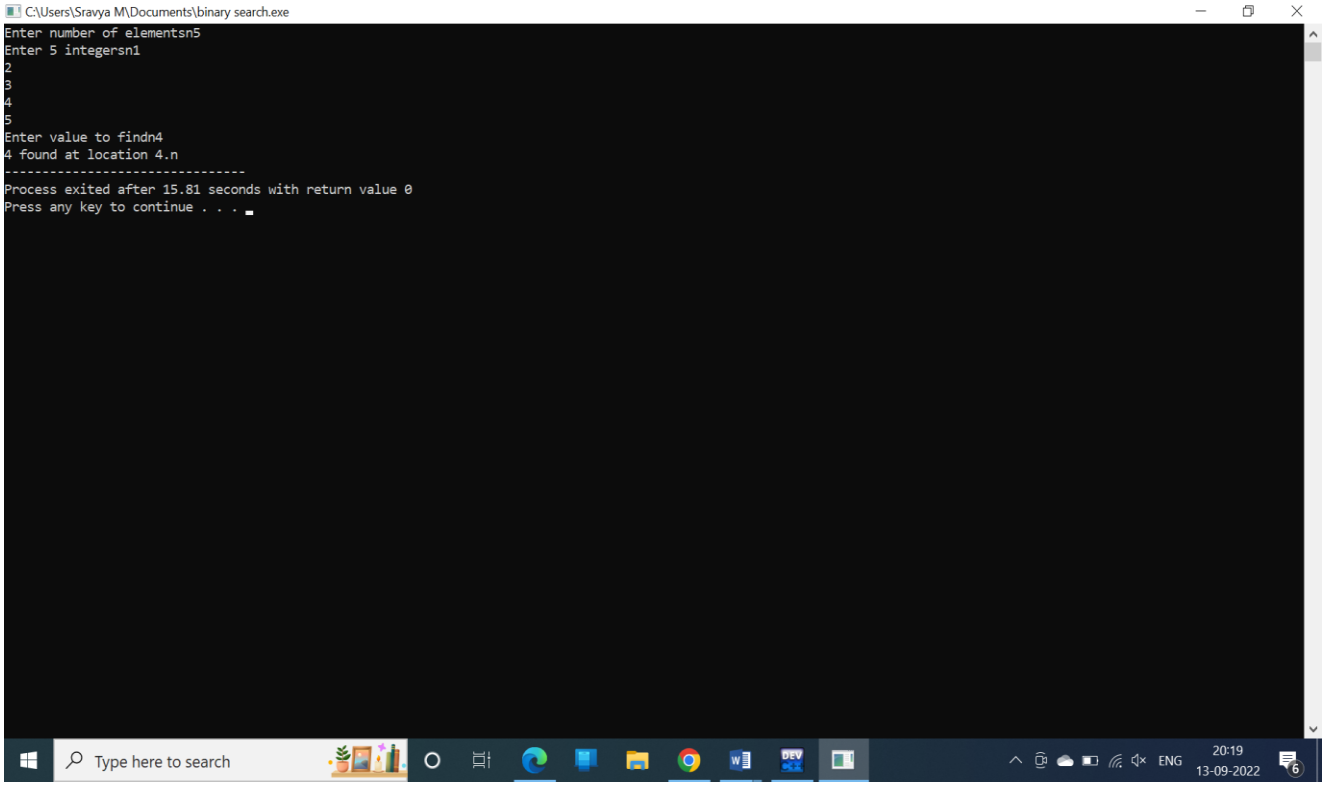
```
#include <stdio.h>
int main()
{
int i, low, high, mid, n, key, array[100];
printf("Enter number of elementsn");
scanf("%d",&n);
printf("Enter %d integersn", n);
for(i = 0; i < n; i++)
scanf("%d",&array[i]);
printf("Enter value to findn");
scanf("%d", &key);
low = 0;
high = n - 1;
mid = (low+high)/2;
while (low <= high) {
if(array[mid] < key)
low = mid + 1;
else if (array[mid] == key) {
printf("%d found at location %d.n", key, mid+1);
break;
}
else
high = mid - 1;
mid = (low + high)/2;
}
if(low > high)
printf("Not found! %d isn't present in the list.n", key);
return 0;
}
```


C:\Users\Sravya M\Documents\binary search.exe
Enter number of elementsn5
Enter 5 integersn1
2
3
4
5
Enter value to findn4
4 found at location 4.n

Process exited after 15.81 seconds with return value 0
Press any key to continue . . .
Type here to search
ENG
20:19
13-09-2022