**Binary search method:**

#include <stdio.h>

int main() {

int arr[100], n, key, low, high, mid;

printf("Enter number of elements: ");

scanf("%d", &n);

printf("Enter %d sorted elements:\n", n);

for(int i = 0; i < n; i++) {

scanf("%d", &arr[i]);

}

printf("Enter number to search: ");

scanf("%d", &key);

low = 0;

high = n - 1;

while (low <= high) {

mid = (low + high) / 2;

if (arr[mid] == key) {

printf("Number found at position %d\n", mid + 1);

return 0;

} else if (arr[mid] < key) {

low = mid + 1;

} else {

high = mid - 1;

}

}

printf("Number not found.\n");

return 0;

}

**Input:**

