# Linear Search

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#include <stdio.h>

int main() {

int arr[100], n, i, key, found = 0;

printf("Enter number of elements: ");

scanf("%d", &n);

printf("Enter elements:\n");

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

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

}

printf("Enter element to search: ");

scanf("%d", &key);

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

if (arr[i] == key) {

printf("Element %d found at position %d\n", key, i);

found = 1;

break;

}

}

if (!found) {

printf("Element %d not found in the array\n", key);

}

return 0;

}

