A screenshot of a computer

AI-generated content may be incorrect.

search a number using Linear Search method

Code 8:

#include <stdio.h>

int main() {

int n, key, found = 0;

printf("Enter number of elements: ");

scanf("%d", &n);

int arr[n];

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

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

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

printf("Enter number to search: ");

scanf("%d", &key);

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

if (arr[i] == key) {

printf("Element %d found at position %d\n", key, i + 1);

found = 1;

break;

}

}

if (!found)

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

return 0;

}