**Exp 8**

**8. Write a C program to search a number using Linear Search method**

#include <stdio.h>

int main() {

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

printf("Enter number of elements: ");

scanf("%d", &n);

printf("Enter elements: ");

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

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

printf("Enter number to search: ");

scanf("%d", &key);

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

if (arr[i] == key) {

printf("Found at position %d\n", i);

found = 1;

break;

}

}

if (!found)

printf("Not found!\n");

return 0;

}

