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

#include <stdio.h>

int main() {

int arr[] = {5, 2, 8, 1, 9, 3};

int n = sizeof(arr)/sizeof(arr[0]);

int search, found = 0;

printf("Array: ");

for(int i=0; i<n; i++) printf("%d ", arr[i]);

printf("\nEnter number to search: ");

scanf("%d", &search);

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

if(arr[i] == search) {

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

found = 1;

break;

}

}

if(!found) printf("%d not found in array\n", search);

return 0;

}