Program - 01

Title :	Write a Program to implement linear search algorithm.

Code:

```c
#include <stdio.h>

int main() {
    int arr[50], n, search, i;

    printf("Enter Array Size: ");
    scanf("%d", &n);

    printf("Enter %d elements: ", n);
    for(i=0; i<n; i++)
        scanf("%d", &arr[i]);

    printf("Search Element: ");
    scanf("%d", &search);
    printf("\n=====================\n");
    for(i=0; i<n; i++) {
        if(arr[i] == search) {
            printf("%d is present at index %d.\n", search, i);
            break;
        }
    }

    if(i == n)
        printf("%d is not present in the array.\n", search);

    return 0;
}
```

Output :


```
C:\Users\hp\Desktop\c program>1
Enter Array Size: 5
Enter 5 elements: 1 2 3 4 5
Search Element: 3

=====================
3 is present at index 2.

C:\Users\hp\Desktop\c program>
```

Date : ___/____/_____   Teacher Sign ………………………………………….