LINEAR SEARCH WITHOUT RECURSION:

```c
#include <stdio.h>
int main() {
    int arr[10], n, key, i, found = 0;
    printf("Enter number of elements: ");
    scanf("%d", &n);

    printf("Enter %d 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 found at position %d.\n", i + 1);
            found = 1;
            break;
        }
    }

    if (!found)
        printf("Element not found.\n");
        return 0;
}
```

OUTPUT:

```
Enter number of elements: 5
Enter 5 elements: 10 20 30 40 50
Enter element to search: 40
Element found at position 4.
```