

```
2 #include <stdio.h>
#include <stdlib.h>

int main()
{
    int a[10];
    int i, j, n;
    int temp;
    printf("read n\n");
    scanf("%d", &n);
    printf("read the elements\n");
    for (i=0; i<n; i++) {
        scanf("%d", &a[i]);
    }
    for (j=0; j<n-1; j++) {
        for (i=0; i<n-1; i++) {
            if (a[i] > a[i+1])
            {
                temp = a[i];
                a[i] = a[i+1];
                a[i+1] = temp;
            }
        }
    }
    for (i=0; i<n; i++) {
        printf("%d\t", a[i]);
    }
    return 0;
}
```

*[Signature]*  
25-10-22



05/12/23

URBAN  
EDGE

1. write a C program to search for a Key element using linear search.
2. write a C program to sort the numbers using ~~select~~ bubble sort.

1. #include <stdio.h>

int main()

{

int a[10];

int i, n, key;

printf("read n\n");

scanf("%d", &n);

printf("read the elements\n");

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

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

}

printf("read key element\n");

scanf("%d", &key);

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

if (a[i] == key)

printf("key found\n");

exit(0);

}

}

printf("key not found\n");

return 0;

}