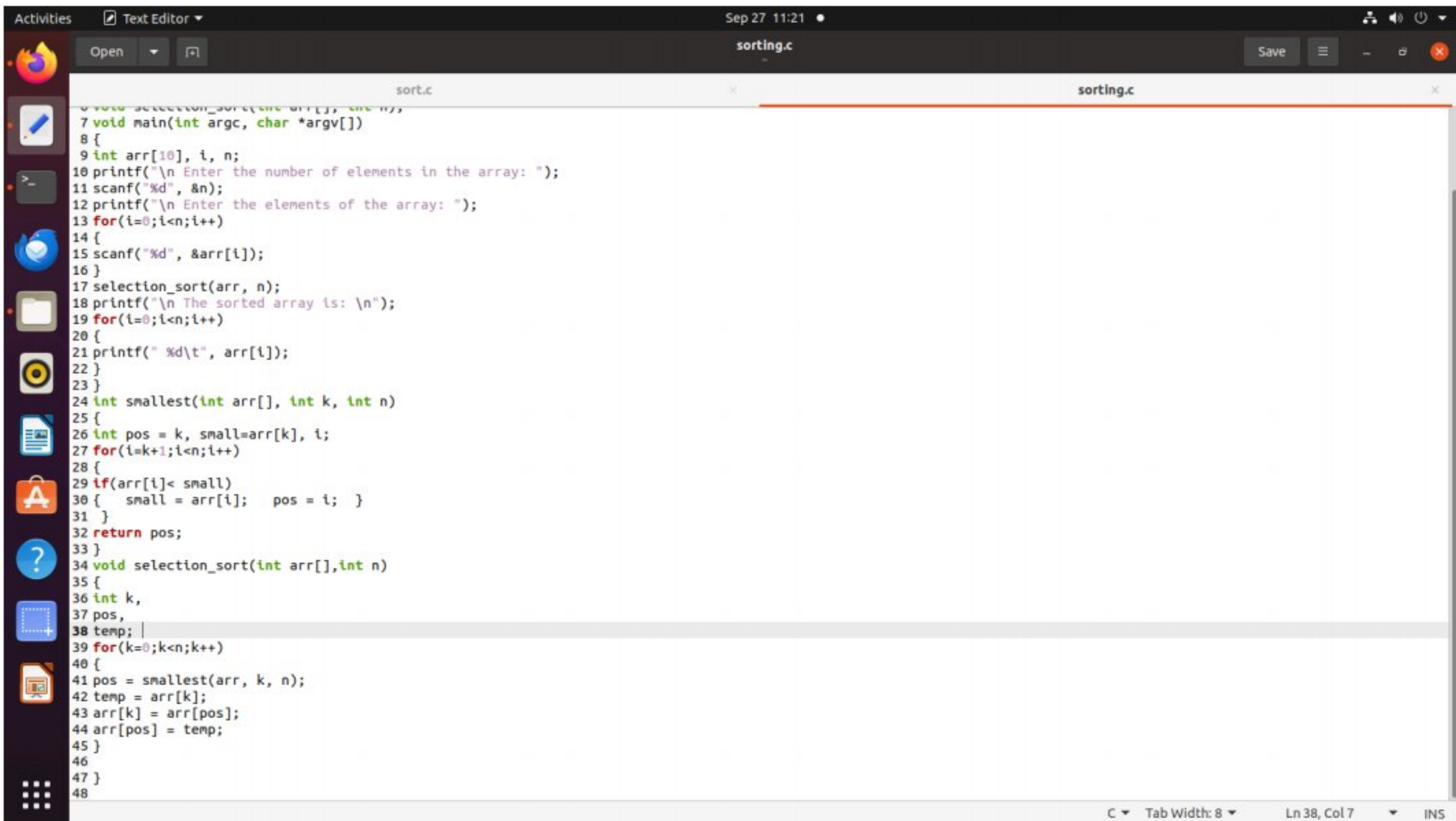


The screenshot shows a code editor window with two tabs, both named 'sorting.c'. The code is a C program implementing a selection sort algorithm. It includes standard headers, defines a 'smallest' function to find the minimum element in an array, and a 'selection\_sort' function to perform the sorting. The main function prompts the user for the number of elements and the elements themselves, then prints the sorted array.

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int smallest(int arr[], int k, int n);
5
6 void selection_sort(int arr[], int n);
7 void main(int argc, char *argv[])
8 {
9     int arr[10], i, n;
10    printf("\n Enter the number of elements in the array: ");
11    scanf("%d", &n);
12    printf("\n Enter the elements of the array: ");
13    for(i=0; i<n; i++)
14    {
15        scanf("%d", &arr[i]);
16    }
17    selection_sort(arr, n);
18    printf("\n The sorted array is: \n");
19    for(i=0; i<n; i++)
20    {
21        printf(" %d\t", arr[i]);
22    }
23 }
24 int smallest(int arr[], int k, int n)
25 {
26     int pos = k, small=arr[k], i;
27     for(i=k+1; i<n; i++)
28     {
29         if(arr[i]< small)
30         {
31             small = arr[i];
32             pos = i;
33         }
34     }
35     return pos;
36 }
37 void selection_sort(int arr[], int n)
38 {
39     int k,
40     pos,
41     temp;
42     for(k=0; k<n; k++)
43     {
44         pos = smallest(arr, k, n);
45         temp = arr[k];
46         arr[k] = arr[pos];
47         arr[pos] = temp;
48     }
49 }
```

At the bottom right of the editor, there are status indicators: 'C', 'Tab Width: 8', 'Ln 38, Col 7', and 'INS'.



This screenshot shows the same code editor window as above, but with a sidebar on the left containing various application icons. The code is identical to the one in the first screenshot, showing the selection sort implementation in C. The status bar at the bottom right indicates 'C', 'Tab Width: 8', 'Ln 38, Col 7', and 'INS'.



```
adminl4@adminl4-HP-ProDesk-400-G7-Microtower-PC: ~  
| ~  
orting.c:45:1: error: expected declaration or statement at end of input  
45 | }  
| ^  
adminl4@adminl4-HP-ProDesk-400-G7-Microtower-PC:~$ gcc sorting.c  
orting.c: In function 'main':  
orting.c:45:1: error: expected declaration or statement at end of input  
45 | }  
| ^  
adminl4@adminl4-HP-ProDesk-400-G7-Microtower-PC:~$ gcc sorting.c  
usr/bin/ld: /tmp/ccImdok1.o: in function 'main':  
orting.c:(.text+0xab): undefined reference to 'selection_sort'  
collect2: error: ld returned 1 exit status  
adminl4@adminl4-HP-ProDesk-400-G7-Microtower-PC:~$ gcc sorting.c  
adminl4@adminl4-HP-ProDesk-400-G7-Microtower-PC:~$ ./a.out  
  
Enter the number of elements in the array: 3  
  
Enter the elements of the array: 1  
  
The sorted array is:  
1      2      3      adminl4@adminl4-HP-ProDesk-400-G7-Microtower-PC:~$
```

NAME: AWANI GOYAL

ROLL NO: 31