**selection sort in c**

Selection sort in c: c program for selection sort to sort numbers. This code implements selection sort algorithm to arrange numbers of an array in ascending order. With a little modification it will arrange numbers in descending order.

**Selection sort algorithm implementation in c**

#include<stdio.h>

main()

{

int array[100], n, c, d, position, swap;

printf("Enter number of elements\n");

scanf("%d", &n);

printf("Enter %d integers\n", n);

for ( c = 0 ; c < n ; c++ )

scanf("%d", &array[c]);

for ( c = 0 ; c < ( n - 1 ) ; c++ )

{

position = c;

for ( d = c + 1 ; d < n ; d++ )

{

if ( array[position] > array[d] )

position = d;

}

if ( position != c )

{

swap = array[c];

array[c] = array[position];

array[position] = swap;

}

}

printf("Sorted list in ascending order:\n");

for ( c = 0 ; c < n ; c++ )

printf("%d\n", array[c]);

return 0;

}