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/*C Program to implement Selection sort
Input  : 1. Size of the Array
         2. Array elements
Output : Sorted Array elements in ascending order
*/

#include <stdio.h>

int main()
{
  int array[100], n, i, j, min, swap;

  printf("\n Enter the size of the array.\n");
  scanf("%d", &n);

  printf("\n Enter %d elements.\n", n);

  for ( i = 0 ; i < n ; i++ )
    scanf("%d", &array[i]);

  for ( i = 0 ; i <= ( n - 2 ) ; i++ )
  {
    min = i;
    // Find the smallest element
    for ( j = i + 1 ; j <= n-1 ; j++ )
    {
      if ( array[j] < array[min] )
      min = j;
    }
     //Swap the smallest element with the first unsorted number
      swap = array[i];
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        array[i] = array[min];
        array[min] = swap;
    }
    printf("\n Sorted list in ascending order:\n");

    for ( i = 0 ; i < n ; i++ )
       printf("%3d", array[i]);
        printf("\n\n\n ");
    return 0;
}
```

Sample Input and Output: