// C program for implementation of selection sort

```
#include <stdio.h>
#include <conio.h>
void swap(int* xp, int* yp)
  int temp = *xp;
  *xp = *yp;
  *yp = temp;
}
void selectionSort(int arr[], int n)
  int i, j, min_idx;
  // One by one move boundary of unsorted subarray
  for (i = 0; i < n - 1; i++) {
  // Find the minimum element in unsorted array
     min_idx = i;
     for (j = i + 1; j < n; j++)
       if (arr[j] < arr[min_idx])</pre>
        min_idx = j;
    // Swap the found minimum element with the first element
     swap(&arr[min_idx], &arr[i]);
  }
}
/* Function to print an array */
void printArray(int arr[], int size)
{
  int i;
  for (i = 0; i < size; i++)
  printf("%d ", arr[i]);
}
```

```
// Driver program to test above functions
void main()
{
   int arr[] = { 64, 25, 12, 22, 11 };
   int n = sizeof(arr) / sizeof(arr[0]);
   selectionSort(arr, n);
   printf("Sorted array: \n");
   printArray(arr, n);
   getch();
}
```