**//selection sort**

#include<stdio.h>

int main(){

int arr[]={7,10,20,3,11,9};

//finding the array size

int size = sizeof(arr)/sizeof(arr[0]);

//implementing selection short

for(int i=0;i<size;i++){

int min\_index=i;

//finding index of minimum value from the subarray

for(int j=i+1;j<size;j++)

if (arr[min\_index]>arr[j])

min\_index=j;

//checking wether min value is there in the subarray

if(min\_index !=i){

//swaping min value with i th value

int temp = arr[i];

arr[i]=arr[min\_index];

arr[min\_index]=temp;

}

}

//printing sorted array elements

for (int index=0;index<size;index++)

printf("%d ",arr[index]);

return 0;

}

//OUTPUT

