#include <stdio.h>

void bubblesort(int array[],int size)

// A function to implement bubble sort

{

for(int step=0;step<size-1;++step)

{

for(int i=0;i<size-step-1;++i)

{

if (array[i]>array[i+1])

{

int temp=array[i];

array[i]=array[i+1];

array[i+1]=temp;

}

}

}

}

/\* Function to print an array \*/

void printArray(int array[], int size)

{

int i;

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

printf("%d ", array[i]);

printf("\n");

}

// Driver program to test above functions

int main()

{

int data[] = { 5, 1, 4, 2, 8 };

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

bubblesort(data,size);

printf("Sorted array: \n");

printArray(data,size);

return 0;

}

output:

Sorted array:

1 2 4 5 8