```
#include <stdio.h>
void insertionSort(int arr[], int size)
  int j, temp;
  for (int i = 1; i < size; i++)
  {
    temp = arr[i];
    j = i - 1;
    while (j \ge 0 \&\& temp < arr[j])
    {
       arr[j + 1] = arr[j];
      j--;
    arr[j + 1] = temp;
  }
}
int main()
{
  int arr[100], size;
  printf("\nEnter size ");
  scanf("%d", &size);
  printf("\nEnter array\n");
  for (int i = 0; i < size; i++)
```

```
scanf("%d", &arr[i]);
insertionSort(arr, size);
printf("Sorted array\n");
for (int i = 0; i < size; i++)
    printf("%d ", arr[i]);
return 0;
}</pre>
```

```
Enter size 8

Enter array

1

9

6

70

89

34

45

12

Sorted array

1 6 9 12 34 45 70 89
```