

Problem Statement:

Python program for insertion sort

```
def insertionsort(arr):  
    for i in range(1,len(arr)):  
        key=arr[i]  
        j=i-1  
        while j>=0 and key<arr[j]:  
            arr[j+1]=arr[j]  
            j-=1  
        arr[j+1]=key  
  
arr=[12,11,13,5,6]  
insertionsort(arr)  
print("sorted array is:")  
for i in range(len(arr)):  
    print(arr[i])
```

OUTPUT:

sorted array is:

5

6

11

12

13