


```
def insertion_sort(alist):  
    for i in range(1, len(alist)):  
        temp = alist[i]  
        j = i - 1  
        while (j >= 0 and temp < alist[j]):  
            alist[j + 1] = alist[j]  
            j = j - 1  
        alist[j + 1] = temp
```


```
alist = input('Enter the list of numbers: ').split()  
alist = [int(x) for x in alist]  
insertion_sort(alist)  
print('Sorted list: ', end='')  
print(alist)
```

```
Enter the list of numbers: 1000 20 90 50 10 800 400  
Sorted list: [10, 20, 50, 90, 400, 800, 1000]
```

✓
0s



```
def fun(a,b=0,*c,**kwargs):  
    print(a)  
    print(b)  
    for j in c:  
        print(j)  
    for key,value in kwargs.items():  
        print("%s==%s" %(key,value))  
d=["hii", "i am","Akshatha from bangalore"]  
fun(3,10,*d,first='n',mid='go',last='an')
```



```
3  
10  
hii  
i am  
Akshatha from bangalore  
first==n  
mid==go  
last==an
```