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1  # Python program for implementation of Insertion Sort
2  import random
3  a=[]
4  n=10
5  for i in range(0,n):
6      a.append(random.randint(1,100))
7  print("Before Insertion_Sort Array is :",end=" ")
8  for i in a:
9      print(i,end=" ")
10 for j in range(1,len(a)):
11     key=a[j]
12     i=j-1
13     while(i>=0 and a[i]>key):
14         a[i+1]=a[i]
15         i=i-1
16     a[i+1]=key
17 print("\\nAfter Insertion_Sort Array is :",end=" ")
18 for i in a:
19     print(i,end=" ")
20
```