### 作业4  
class IterableRandomDataGenerator:  
 def \_\_init\_\_(self, data\_structures):  
 self.data\_structures = data\_structures  
  
 def \_\_iter\_\_(self):  
 return self.generate\_data()  
  
 def generate\_data(self):  
 for ds in self.data\_structures:  
 yield ds.generate\_random\_data()  
  
# 示例用法  
iterable\_generator = IterableRandomDataGenerator(data\_structures)  
for data in iterable\_generator:  
 print(data)