### 作业2  
class RandomDataGenerator:  
 def \_\_init\_\_(self, data\_structures):  
 self.data\_structures = data\_structures  
  
 def generate\_data(self):  
 return [ds.generate\_random\_data() for ds in self.data\_structures]  
  
# 示例用法  
data\_structures = [DataStructure('int', (1, 100)), DataStructure('float', (1.0, 100.0))]  
generator = RandomDataGenerator(data\_structures)  
print(generator.generate\_data())