**题目1：编程题，具体要求如下**

**从键盘录入学生信息，格式为：姓名-学号-年龄，遇到quit结束录入**

**例如:**

**zs-001-21**

**ww-003-20**

**tom-002-19**

**quit**

**将每行数据转换成Student对象，然后写入到文件src/dir/stu.txt中。**

**答案：**

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| class Student:  def \_\_init\_\_(self, name, stu\_id, age):  self.name = name  self.stu\_id = stu\_id  self.age = age  def \_\_str\_\_(self):  return f"{self.name}-{self.stu\_id}-{self.age}"  students = []  while True:  student\_info = input("请输入学生信息（格式为：姓名-学号-年龄），输入quit结束录入：")  if student\_info == "quit":  break  name, stu\_id, age = student\_info.split("-")  students.append(Student(name, stu\_id, int(age)))  with open("src/dir/stu.txt", "w") as f:  for student in students:  f.write(str(student) + "  ")  ... |

**题目2：编程题，具体要求如下**

**搭建一个TCP服务器，再搭建一个TCP客户端，客户端能够发送信息给服务器，服务器收到后信息后，会反转字符串，然后写回给客户端。**

**答案：**

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| 服务器端  import socket  def main():  server\_socket = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)  server\_socket.bind(('localhost', 12345))  server\_socket.listen(1)  print("服务器已启动，等待客户端连接...")  while True:  client\_socket, client\_address = server\_socket.accept()  print(f"客户端 {client\_address} 已连接")  data = client\_socket.recv(1024).decode('utf-8')  print(f"收到来自客户端的数据： {data}")  reversed\_data = data[::-1]  client\_socket.send(reversed\_data.encode('utf-8'))  print(f"已将反转后的数据发送回客户端： {reversed\_data}")  client\_socket.close()  if \_\_name\_\_ == "\_\_main\_\_":  main()  客户端代码：  import socket  def main():  client\_socket = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)  client\_socket.connect(('localhost', 12345))  print("已连接到服务器")  message = input("请输入要发送给服务器的信息： ")  client\_socket.send(message.encode('utf-8'))  print("已将信息发送给服务器")  reversed\_data = client\_socket.recv(1024).decode('utf-8')  print(f"从服务器接收到的反转后的数据： {reversed\_data}")  client\_socket.close()  if \_\_name\_\_ == "\_\_main\_\_":  main() |