### **Question 1 [CO1] [10 Points]**

Design the **Serial** class in such a way so that the following code provides the expected output.

| **Driver Class** | **Output** |
| --- | --- |
| public class BRACHospital1{  public static void main(String args[]){  Serial day1 = new Serial();  day1.name = "Monday";  day1.addSerial("Neurology", "Dr.Ali", "Khan");  day1.addSerial("Pediatric","Dr.Mahbub","Shohan","4m");  day1.allSerials();  day1.addSerial("Neurology", "Dr.Ali", "Rumana");  day1.addSerial("Neurology", "Dr.Ali", "Farhan");  day1.addSerial("Dentistry", "Dr.Shila", "Khan");  day1.showSerials("doctor", "Dr.Ali");  day1.showSerials("dept", "Pediatric");  System.out.println("----------------");  Serial day2 = new Serial();  day2.name = "Tuesday";  day2.addSerial("Nutrition", "Dr.Rob", "Salma");  day2.addSerial("Nutrition", "Dr.Rob", "Afsana");  day2.addSerial("Neurology", "Dr.Asif", "Ahsan");  System.out.println(day2.showSerials("Dr.Rob"));  day2.showSerials("dept", "Neurology");  }  } | Appointment registered.  Appointment registered.  Monday appointments:  Dr.Ali - Khan - above 18  Dr.Mahbub - Shohan - 4 months  Appointment registered.  Appointment registered.  Please try tomorrow.  Patient list for Dr.Ali:  1. Khan  2. Rumana  3. Farhan  Appointments for Pediatric:  1. Shohan  ----------------  Appointment registered.  Appointment registered.  Appointment registered.  Patient list for Dr.Rob:  1. Salma  2. Afsana  Appointments for Neurology:  1. Ahsan |