```java
MAIN JS:
public class Main {
  public static void main(String[] args) {

      DoctorPatientList dp = new DoctorPatientList();

      AppointmentQueue aq = new AppointmentQueue();

      UndoScheduleStack us = new UndoScheduleStack();

      DepartmentTree dt = new DepartmentTree();

      HospitalGraph hg = new HospitalGraph();

      PatientHashTable ph = new PatientHashTable();


      System.out.println("---- Doctor Patient List ----");

      dp.display();


      System.out.println("\n---- Appointment Queue ----");

      aq.display();


      System.out.println("\n---- Undo Schedule ----");

      us.undo();


      System.out.println("\n---- Department Tree ----");

      dt.display();


      System.out.println("\n---- Hospital Network ----");

      hg.display();
```

```java
        System.out.println("\n---- Patient Search ----");

        ph.search(101);
    }
}
```