課題の Java プログラム

```java
class Date {
  private int year;
  private int month;
  private int day;
  public int getYear() {
    return year;
  }
  public void setYear(int y) {
    year = y;
  }
  public int getMonth() {
    return month;
  }
  public void setMonth(int m) {
    month = m;
  }
  public int getDay() {
    return day;
  }
  public void setDay(int d) {
    day = d;
  }
  public void show() {
    System.out.printf("%d/%d/%d\n",
                      year, month, day);
  }
  public Date() {
    year = 1970;
    month = 1;
    day = 1;
  }
  public Date(int y) {
    year = y;
    month = 1;
    day = 1;
  }
}

class Time {
  private int hour;
  private int minute;
  public int getHour() {
    return hour;
  }
  public void setHour(int hour) {
    this.hour = hour;
  }
  public int getMinute() {
    return minute;
  }
```

```java
  }
  public void setMinute(int minute) {
    this.minute = minute;
  }
  public void show() {
    System.out.printf("%d:%d\n", hour, minute);
  }
  public Time() {
    hour = 10;
    minute = 0;
  }
  public Time(int h) {
    hour = h;
    minute = 0;
  }
}

class Schedule {
  protected String name;
  protected Date date;
  public String getName() {
    return name;
  }
  public void setName(String n) {
    name = n;
  }
  public Date getDate() {
    return date;
  }
  public void setDate(Date d) {
    date = d;
  }
  public void show() {
    System.out.printf("name: %s\n", name);
    date.show();
  }
}

class ScheduleTime extends Schedule {
  private Time time;
  public Time getTime() {
    return time;
  }

  public void setTime(Time t) {
    time = t;
  }
  public void show() {
    super.show();
```

```
      time.show();                                  }
  }                                              }
}
                                               class ScheduleMain {
class ScheduleList {                             public static void main(String[] args) {
  private ScheduleTime[] list;                     Date d = new Date(2012);
  public ScheduleList() {                           d.show();
    list = new ScheduleTime[5];                     Time t = new Time(15);
  }                                                 Schedule s = new Schedule();
  public ScheduleTime getSchedule(int i) {          s.setName("!!!");
    return list[i];                                 s.setDate(d);
  }                                                 s.show();
  public void setSchedule(int i,                    ScheduleTime st = new ScheduleTime();
                       ScheduleTime st) {            st.setName("???");
    list[i] = st;                                   st.setDate(d);
  }                                                 st.setTime(t);
  public void show() {                              st.show();
    int i;
    for(i=0; i<list.length; i++) {                  ScheduleList sl = new ScheduleList();
      if(list[i] != null) {                         sl.setSchedule(2, st);
        System.out.printf("--%d--\n", i);           sl.show();
        list[i].show();                           }
      }                                          }
    }
```