

```
1 public class Schedule {
2     // Variables
3     private int id;
4     private int courseId;
5     private int classroomId;
6     private int professorId;
7     private int section;
8     private String startTime;
9     private String endTime;
10    private String days;
11    private String course;
12    private String professor;
13    private String classroom;
14    private int credits;
15    private int capacity;
16
17    // Constructor
18    public Schedule(int id, int courseId, int classroomId, int professorId,
19    int section, String startTime, String endTime, String days) {
20        this.id = id;
21        this.courseId = courseId;
22        this.classroomId = classroomId;
23        this.professorId = professorId;
24        this.section = section;
25        this.startTime = startTime;
26        this.endTime = endTime;
27        this.days = days;
28    }
29
30    // 2nd Constructor
31    public Schedule(Course course, Professor professor, ScheduleFile sc) {
32        this.courseId = course.getId();
33        // this.classroomId; Because we don't have one yet
34        this.professorId = professor.getId();
35        // this.section = sc.getSection(); Because we don't have one yet
36        this.startTime = sc.getStartTime();
37        this.endTime = sc.getEndTime();
38        this.days = sc.getDays();
39    }
40
41    // 3rd Constructor
42    public Schedule(int courseId, int classroomId, int professorId, int
43    section, String startTime, String endTime, String days, String course, String
44    professor, String classroom) {
45        this.courseId = courseId;
46        this.classroomId = classroomId;
47        this.professorId = professorId;
48        this.section = section;
49        this.startTime = startTime;
50        this.endTime = endTime;
```

```
47         this.endTime = endTime,
48         this.days = days;
49         this.course = course;
50         this.professor = professor;
51         this.classroom = classroom;
52     }
53
54     // Empty constructor
55     public Schedule() {
56     }
57
58     // Getters
59     public int getId() {
60         return id;
61     }
62
63     public int getCourseId() {
64         return courseId;
65     }
66
67     public int getClassroomId() {
68         return classroomId;
69     }
70
71     public int getProfessorId() {
72         return professorId;
73     }
74
75     public int getSection() {
76         return section;
77     }
78
79     public String getStartTime() {
80         return startTime;
81     }
82
83     public String getEndTime() {
84         return endTime;
85     }
86
87     public String getDays() {
88         return days;
89     }
90
91     public String getCourse() {
92         return course;
93     }
94
95     public String getProfessor() {
96         return professor;
97     }
98 }
```

```
97     }
98
99     public String getClassroom() {
100         return classroom;
101     }
102
103     public Integer getCredits() {
104         return credits;
105     }
106
107     public Integer getCapacity() {
108         return capacity;
109     }
110
111
112     // Setters
113
114     public void setCourseId(int courseId) {
115         this.courseId = courseId;
116     }
117
118     public void setClassroomId(int classroomId) {
119         this.classroomId = classroomId;
120     }
121
122     public void setProfessorId(int professorId) {
123         this.professorId = professorId;
124     }
125
126     public void setSection(int section) {
127         this.section = section;
128     }
129
130     public void setStartTime(String startTime) {
131         this.startTime = startTime;
132     }
133
134     public void setEndTime(String endTime) {
135         this.endTime = endTime;
136     }
137
138     public void setDays(String days) {
139         this.days = days;
140     }
141
142     public void setCourse(String course) {
143         this.course = course;
144     }
145
146     public void setProfessor(String professor) {
```

```
147         this.professor = professor;
148     }
149
150     public void setClassroom(String classroom) {
151         this.classroom = classroom;
152     }
153
154     public void setCredits(int credits) {
155         this.credits = credits;
156     }
157
158     public void setCapacity(int capacity) {
159         this.capacity = capacity;
160     }
161
162
163     // ToString Override
164     @Override
165     public String toString() {
166         // Output the schedule information
167         return "Schedule ID: " + id + " Course ID: " + courseId + " Classroom
ID: " + classroomId + " Professor ID: " + professorId + " Section: " +
section + " Start Time: " + startTime + " End Time: " + endTime + " Days: " +
days;
168     }
169
170 }
171
```