

Mahdi Khaliki

[https://bitbucket.org/mkhaliki/assignment-6-e9\\_13-p9\\_3-and-p9\\_4/src/master/](https://bitbucket.org/mkhaliki/assignment-6-e9_13-p9_3-and-p9_4/src/master/)

Instructions to run:

E9\_13.java and BetterRectangle.java must be in the same project.

P9\_3, P9\_4, Appointment.java, Monthly.java, Daily.java, and Onetime.java must be in the same project.

1: Project

Assignment 6 ~\Documents\C...

- .idea
- out
- src
  - Appointment
  - BetterRectangle
  - Daily
  - E9\_13
  - Monthly
  - Onetime
  - P9\_3
  - P9\_4
- Assignment 6.iml

External Libraries

Scratches and Consoles

E9\_13

P9\_3.java × E9\_13.java × P9\_4.java × Appointment.java × Monthly.java × Daily.java × Onetime.java ×

```
1 public class E9_13 {
2     public static void main(String[] args) {
3         BetterRectangle rect = new BetterRectangle( width: 5, height: 6, x: 0, y: 0);
4         BetterRectangle rect2 = new BetterRectangle( width: 11, height: 34, x: 0, y: 0);
5
6         System.out.println("Perimeter of a 5x6 rectangle = " + rect.getPerimeter());
7         System.out.println("Area of a 5x6 rectangle = " + rect.getArea());
8
9         System.out.println("\nPerimeter of a 11x34 rectangle = " + rect2.getPerimeter());
10        System.out.println("Area of a 11x34 rectangle = " + rect2.getArea());
11    }
12 }
13 |
```

Run: E9\_13 ×

Library/Java/JavaVirtualMachines/jdk1.8.0\_91.jdk/Contents/Home/bin/java ... <1 internal call>

Perimeter of a 5x6 rectangle = 22

Area of a 5x6 rectangle = 30

Perimeter of a 11x34 rectangle = 90

Area of a 11x34 rectangle = 374

Process finished with exit code 0

4: Run

6: TODO

9: Version Control

Terminal

1: Event Log

All files are up-to-date (a minute ago)13:1 L F UTF-8 4 spaces Git: master

Assignment 6 src P9\_3

Project

- Assignment 6 ~/Documents/Cs
  - .idea
  - out
  - src
    - Appointment
    - BetterRectangle
    - Daily
    - E9\_13
    - Monthly
    - Onetime
    - P9\_3
    - P9\_4
  - Assignment 6.iml
  - External Libraries
  - Scratches and Consoles

P9\_3.java

```
5 public class P9_3 {
6     public static void main(String[] args) {
7         Scanner in = new Scanner(System.in);
8         String date;
9         DateTimeFormatter dateFormat = DateTimeFormatter.ofPattern("M/d/yyyy");
10
11         Appointment apts[] = new Appointment[3];
12         apts[0] = new Monthly( description: "Doctors", year: 2019, month: 10, day: 1);
13         apts[1] = new Daily( description: "Dentist", year: 2019, month: 11, day: 1);
14         apts[2] = new Onetime( description: "Physical therapist", year: 2019, month: 10, day: 1);
15
16         System.out.println("\nEnter a date in format month/day/year:");
17         date = in.nextLine();
18         LocalDate localDate = LocalDate.parse(date, dateFormat);
19
20         System.out.println("\nYou have the following appointments:");
21         int count = 1;
22         for (Appointment apt : apts) {
23             if (apt.occursOn(localDate.getYear(), localDate.getMonthValue(), localDate.getDayOfMonth())) {
24                 System.out.println(count++ + ". " + apt.getDescription());
25             }
26         }
27     }
28 }
```

P9\_3 > main()

Run: P9\_3

/Library/Java/JavaVirtualMachines/jdk1.8.0\_91.jdk/Contents/Home/bin/java ... <1 internal call>

Enter a date in format month/day/year:  
11/1/2019

You have the following appointments:  
1. Doctors  
2. Dentist

Process finished with exit code 0

4: Run | 6: TODO | 9: Version Control | Terminal | 0: Messages | 1: Event Log

Build completed successfully in 2 s 157 ms (a minute ago)

13:1 LF UTF-8 4 spaces Git: master

Assignment 6

src

P9\_4

Project

Assignment 6

out

src

Appointment

BetterRectangle

Daily

E9\_13

Search

month/da

2 matches

1

import java.util.Scanner;

2

import java.util.ArrayList;

3

import java.time.LocalDate;

4

import java.time.format.DateTimeFormatter;

5

6

public class P9\_4 {

P9\_4 > main()

Run: P9\_4

Enter description of appointment:  
See the dentist

Enter a date in format month/day/year:  
10/3/2019

Appointment successfully added.

Choose from the following options:  
1. Add new appointment  
2. Search for appointments  
3. Quit  
2

Enter a date in format month/day/year:  
10/3/2019

You have the following appointments:  
1. See the dentist

Choose from the following options:  
1. Add new appointment  
2. Search for appointments  
3. Quit  
|

4: Run

6: TODO

9: Version Control

Terminal

1: Event Log

All files are up-to-date (2 minutes ago)

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