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<https://bitbucket.org/mkhaliki/assignment-7-p9.5-and-e13.9/src/master/>

Instructions to run:

P9_5.java, Appointment.java, Onetime.java, Monthly.java, and Daily.java must be in the same project.

Input file for P9_5.java must be in the following format:

<Type of appointment>

<Description>

<Date>

<empty line>

A sample file has been provided in the repository above.

Assignment 7

src

P9_5

Project

Assignment 7

out

src

Appointment

Daily

E13.9

Monthly

Onetime

P9_5

Appointments.txt

P9_5.java

88 while (input != 3);

89

90 System.out.println("\n\nEnter text file to save appointments to: ");

91 String output_f = in.next();

92 PrintWriter output_file = new PrintWriter(output_f);

93

94 save(apts, output_file);

95 output_file.close();

96 }

97

98 @ public static void load(ArrayList<Appointment> apts, Scanner input file) {...}

P9_5 > main()

Run: P9_5

1. Onetime

2. Daily

3. Monthly

Enter description of appointment:

This is a test Appointment

Enter a date in format month/day/year:

10/13/2019

Appointment successfully added.

Choose from the following options:

1. Add new appointment

2. Search for appointments

3. Quit

Enter text file to save appointments to:

AppointmentsOutput.txt

Process finished with exit code 0

9: Version Control

Terminal

4: Run

6: TODO

Event Log

39:1 LF UTF-8 4 spaces Git: master

Assignment 7 > src > E13_9

Project

- Assignment 7 ~\Documents\CS49J workspace
 - .idea
 - out
 - src
 - Appointment
 - Daily
 - E13_9
 - Monthly
 - Onetime
 - P9_5
 - Appointments.txt
 - Assignment 7.iml
 - External Libraries
 - Scratches and Consoles

P9_5.java x E13_9.java x

```
14 + indexOf(text: "Mississippi", str: "Mississippi");
13
14
15 System.out.println("text = Mississippi, str = Tennessee, index = "
16 + indexOf(text: "Mississippi", str: "Tennessee"));
17 System.out.println("text = Mississippi, str = m, index = "
18 + indexOf(text: "Mississippi", str: "m"));
19 System.out.println("text = Mississippi, str = sss, index = "
20 + indexOf(text: "Mississippi", str: "sss"));
21 System.out.println("text = Mississippi, str = xy, index = "
22 + indexOf(text: "Mississippi", str: "xy"));
23 }
24
25 public static int indexOf(String text, String str) { return indexOfHelper(text, str, index: 0, compareIndex: 0); }
26
27
28 @
29 public static int indexOfHelper(String text, String str, int index, int compareIndex) {
30     if (str.length() <= compareIndex) return index - str.length();
31     if (text.length() == 0) return -1;
32     if (text.charAt(0) == str.charAt(compareIndex))
33         return indexOfHelper(text.substring(1), str, index: index + 1, ++compareIndex);
34     else if (text.charAt(0) != str.charAt(compareIndex) && compareIndex > 0)
35         return indexOfHelper(text, str, index, compareIndex: 0);
36     else
37         return indexOfHelper(text.substring(1), str, index: index + 1, compareIndex: 0);
38 }
```

E13_9 > main()

Run: E13_9 x

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

```
text = Mississippi, str = sip, index = 6
text = Mississippi, str = M, index = 0
text = Mississippi, str = ippi, index = 7
text = Mississippi, str = ssiss, index = 2
text = Mississippi, str = Mississippi, index = 0
text = Mississippi, str = Tennessee, index = -1
text = Mississippi, str = m, index = -1
text = Mississippi, str = sss, index = -1
text = Mississippi, str = xy, index = -1
```

Process finished with exit code 0

Version Control | Terminal | Run | TODO

All files are up-to-date (moments ago)

14:1 LF UTF-8 4 spaces Git: master