

Easton Jackson

Dana Lewis

Test File

```
bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMe
67805\redhat.java\jdt_ws\CS-2420_35658beb\bin' 'DanaLewisTesting'
Testing DanaLewisDataPoint class
Finished testing DanaLewisDataPoint class
Testing DanaLewisArray class
Finished testing DanaLewisArray class
PS C:\Users\easton\OneDrive\Documents\CS 2420\CS-2420-2\CS-2420>
```

Dana Lewis Array running

```
67805\redhat.java\jdt_ws\CS-2420_35658beb\bin' 'DanaLewisArray'
Average Heart Rate: 76
Average Insulin Level: 89
PS C:\Users\easton\OneDrive\Documents\CS 2420\CS-2420-2\CS-2420> █
```

Dana Lewis Array main method

This main method was pretty involved to get it to work. I broke up all the formatting to put each section into an array, then I created a new instance to be able to put all the information in there.

```
CS-2420 > J DanaLewisArray.java > DanaLewisArray > main(String[])
60 try {}
61 Scanner scanner = new Scanner(new File(pathname:"unknownPoints.txt"));
62 scanner.nextLine();
63 String[] info = new String[0];
64 while (scanner.hasNextLine()) {
65     String temp = scanner.nextLine();
66     info = Arrays.copyOf(info, info.length + 1);
67     info[info.length-1] = temp;
68 }
69
70 scanner.close();
71
72 //getting time
73 String[] time = new String[info.length];
74 for (int i = 0; i < info.length; i++) {
75     time[i]=info[i].substring(beginIndex:0, info[i].indexOf(str:" ", "-1);
76 }
77 //getting heartRate
78 int[] heartRate = new int[info.length];
79 for (int i = 0; i < info.length; i++) {
80     heartRate[i]=Integer.parseInt(info[i].substring(info[i].indexOf(str:" ",")+3, info[i].indexOf(str:" ", info[i].indexOf(str:" ",
81 )
82 //getting insulin level
83 int[] insulinLevel = new int[info.length];
84 for (int i = 0; i < insulinLevel.length; i++) {
85     insulinLevel[i] = Integer.parseInt(info[i].substring(info[i].lastIndexOf(str:" ",")+3,info[i].length()));
86 }
87
88
89 DanaLewisArray instance = new DanaLewisArray();
90 for (int i = 0; i < insulinLevel.length; i++) {
91     DanaLewisDataPoint point2 = new DanaLewisDataPoint(time[i], heartRate[i], insulinLevel[i]);
92     instance.addDataPoint(point2);
```