

CS49J

Programming Assignment 4

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Repository access link

<https://bitbucket.org/juyeolyoon1/pa4/src/master/>

Output:

E4_23

Successful Case

```
Enter Soda Can's height and diameter, use space to separate elements:
5.0 3.0
Soda Can Volume: 35.34
Soda Can Area: 61.26
```

Error case:

```
Enter Soda Can's height and diameter, use space to separate elements:
0 5
Exception in thread "main" java.lang.IndexOutOfBoundsException: Create breakpoint: Please enter a positive real number.
    at E4_23.main(E4_23.java:49)

Process finished with exit code 1
```

```
Enter Soda Can's height and diameter, use space to separate elements:
5 -5
Exception in thread "main" java.lang.IndexOutOfBoundsException: Create breakpoint: Please enter a positive real number.
    at E4_23.main(E4_23.java:49)

Process finished with exit code 1
```

P8_1

Successful Case:

```
Enter a three integers between 0 and 39 to set the lock:
7 13 23

start: 0

how many ticks will you turn right?
33
key1: 7

how many ticks will you turn left?
6
key2: 13

how many ticks will you turn right?
30
key3: 23

Is the lock opened?   true

Process finished with exit code 0
```

Unsuccessful Case:

```
Enter a three integers between 0 and 39 to set the lock:
10 6 39

start: 0

how many ticks will you turn right?
30
key1: 10

how many ticks will you turn left?
4
key2: 14

how many ticks will you turn right?
15
key3: 39

Is the lock opened?   false
```

Error Cases:

```
Enter a three integers between 0 and 39 to set the lock:
2 4 50
Exception in thread "main" java.lang.IllegalArgumentException: Please enter integers between 0 and 39
    at P8_1.main(P8_1.java:75)
```

```
Enter a three integers between 0 and 39 to set the lock:
7 -5 25
Exception in thread "main" java.lang.IllegalArgumentException: Please enter integers between 0 and 39
    at P8_1.main(P8_1.java:75)
```