Trevor Bright

CECS 220

Assignment 01

5/16/17

Summary of assignment

1. Write your initials in large block letters using the letters in your initials.

2. Change the Einstein applet to where the circle is at the bottom right of the square.

3. Make a program that you can enter hours, minutes, and seconds and it prints out the total time in seconds.

4. Make a program where the user can enter the side of a square and it outputs the parameter and area of the square.

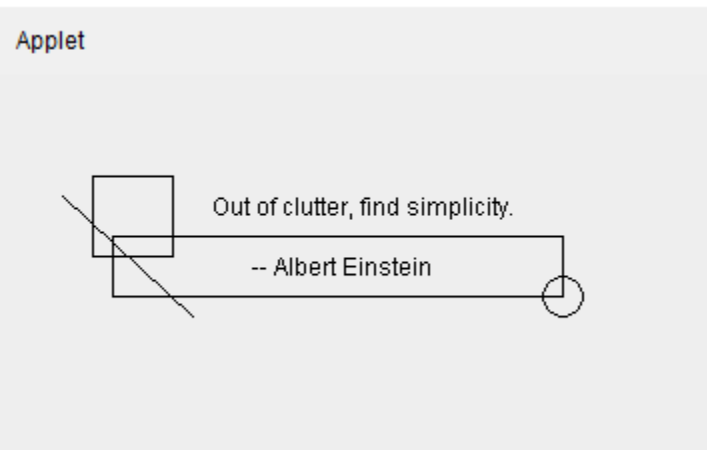5. Create an applet of multiple balloons using different colors for each.

Logic employed

1. For this program, I had to use the println function to make your initials.

2. For this program, I had to change the x and y of the circle.

3. For this program, I used 3 scanner functions: one for hours, one for minutes, and one for seconds. After obtaining this information, the program converts the total time to seconds and outputs the result.

4. For this program, I used a scanner function to obtain the side of the square, calculated the parameter and area according to the side, and outputting both variables.

5. For this applet, I looked off of the Einstein program for reference. I used drawOval and drawLine to draw the shapes for the balloons and setColor to change the color of each.

```
<terminated> problem_01 [Java Application] C:\Users\Trevor\Desktop\eclipse\jre\bin\javaw.exe (May 16, 2017, 3:08:38 PM)
TTTTTTTTTTTTTTTTT    AAAAAAAA    BBBBBBB
        TTTT         AAAAAAAAAA  BB     BB
        TTTT         AAA    AAA  BB     BB
        TTTT         AAA    AAA  BBBBBB
        TTTT         AAAAAAAAAA  BB     BB
        TTTT         AAA    AAA  BB     BB
        TTTT         AAA    AAA  BBBBBB
```

Applet

Out of clutter, find simplicity.

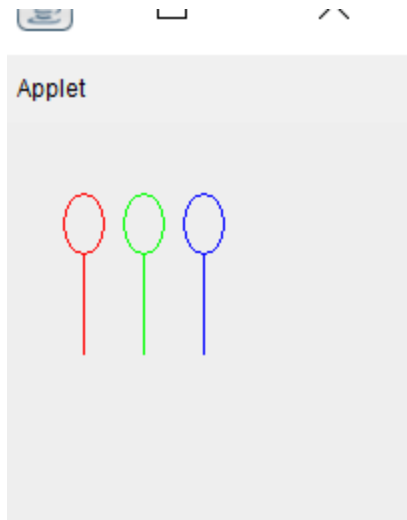-- Albert Einstein

```
<terminated> problem_03 [Java Application] C:\Users\Trevor\Desktop\eclipse\jre\bin\javaw.exe (May 16, 2017, 3:10:19 PM)
Enter number of hours: 3
Enter number of minutes: 40
Enter number of seconds: 2
Total time in seconds: 13202
```

```
<terminated> problem_04 [Java Application] C:\Users\Trevor\Desktop\eclipse\jre\bin\javaw.exe (May 16, 2017, 3:10:47 PM)
Enter side of square: 5
You entered 5 as the side of square.
The perimeter of the square is 20 and the area is 25.
```

Applet

Conclusion

In conclusion, this assignment taught me a lot about the basic input and output functions on Java as well as learning about how to make Java Applets. I have never used Java so this is all new to me.