Objective: Develop a class for displaying digital numbers. Continue familiarization with the basic drawing methods available in the Java AWT.

Actions:

1. Develop a class for displaying numbers using an LED segmented display format (example below). Display the current time on your display. Hint: use the Calendar and Date classes. See the API for more details.

2. Display your name and class information in a non-intrusive place in your graphics window.

3. Explore the use of colors in displaying your digits. Do some colors improve the appearance of your display more than others?

4. Use javadoc to document your program.

5. If you have time, explore the use of fonts in displaying your name and class information (not required).

Deliverables:

- Program—fully documented.
- A program design sheet. Describe all classes and methods needed to implement your program.
- Programming Log:
  - Record the time required to design and implement your program.
  - Record of things you encountered/learned while implementing your program.
- Output—proof that your program worked.

If you have any questions regarding this assignment, do not hesitate to contact me. Start working on this assignment as soon as possible.