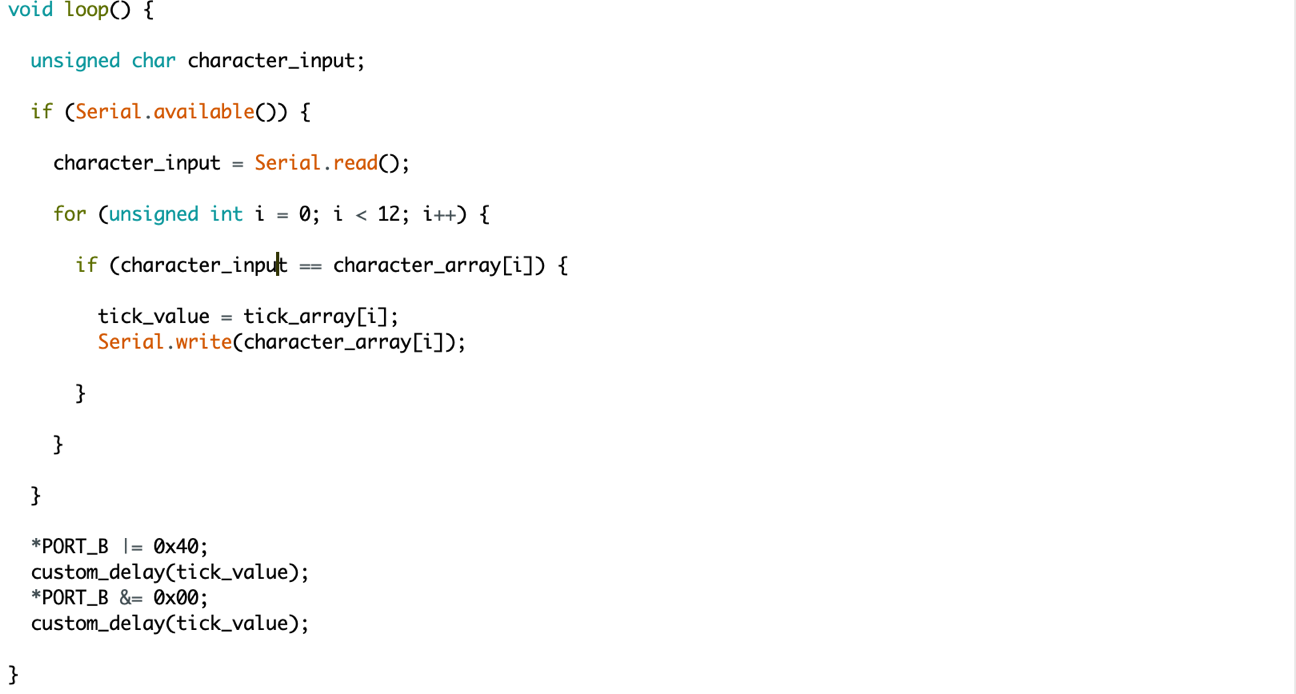
**Part 1)**

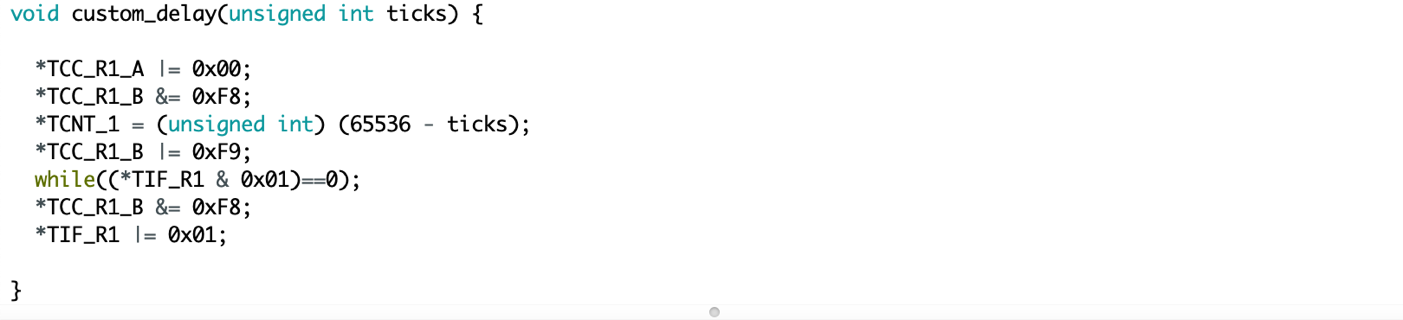
**Graphical user interface, text, application

Description automatically generated**

*Figure 1 – Initial Setup*

**

*Figure 2 – Main Loop*

**

*Figure 3 – Auxiliary Functions*

**Part 2)**

**A circuit board

Description automatically generated**

*Figure 4 – The Circuit*

**Part 3)**

1. The differences result from the frequency while having the same aptitudes have different forms. Specifically, the sine wave generator is producing an analogue signal versus a digital signal the Arduino produces. This results in a Sine Wave and Square Wave, both respective to what they are being created by resulting in the sound differences.