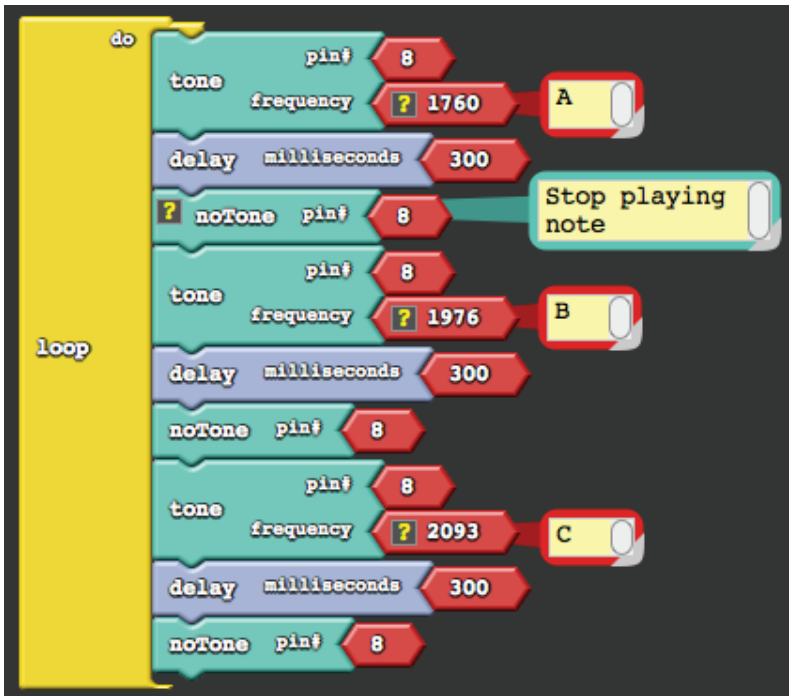
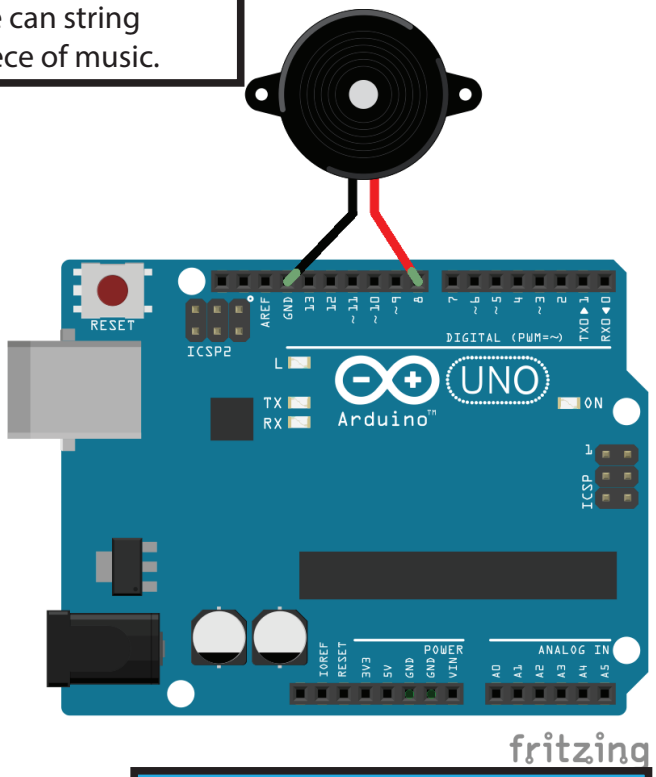
6 Buzzers

Basic Information

A **piezo buzzer** is a simple component that can be used to produce a series of low quality notes and music. It does this by turning the pin (pin 8) on and off thousands of times a second. Wire up the **circuit** as you can see to the right and try out the code below. The code is very simple. It starts playing a musical note (**frequency** 1760), waits 300 **milliseconds** (0.3 seconds) then turns it off again with **notone**. It continues this for 2 other notes. Using this method, we can string together a number of notes one after each other to produce a piece of music.





Tunes

Try and figure out the name of each song below.
If you still can't get the tune, try adding the notes in brackets.
A --- means a longer pause

1. C, D, E, C, C, D, E, C (E, F, G, E, F, G)
2. C, C, D, C, F, E --- , (C, C, D, C, G, F)
3. E, E, E, E, E, E, E, E, G, C, D, E, C
4. D, B, A, G, D, ---, D, D, D, B, A, G, E

Frequencies

These are the frequences for different musical notes

A - 1760
B - 1976
C - 2093
D - 2349
E - 2637
F - 2794
G - 3136

Now try

1. Try and produce a simple scale (notes going up) with 7 notes.
2. Try out the Tunes above, see if you can figure out their names.
3. Try and produce your own song.