

Name _____ (Rev. 11.10.2020)

FUNCTIONS 2 (Beep):

About the Piezo speaker:

<https://learn.parallax.com/tutorials/language/blocklyprop/circuit-practice-blocklyprop/piezo-beep>

8. Write a function to beep the piezo speaker 10 times with a 50% duty cycle each beep being 500 ms long and continuing forever. (You pick a frequency which you can hear.)
9. Write a complete program which uses a variable to tell the piezo speaker what frequency to use and then uses a function to beep (one long beep) for 3 seconds.
10. Write a complete program which uses a variable to tell the piezo speaker what frequency to use and another variable which tells the piezo speaker what duration (in ms) to use and then uses a function to beep for the required amount of time.
11. Write a complete program which uses a function to see if the button has been pushed and prints out a 1 if the button is pushed and a 0 if it is not pushed. It should repeat every 2 seconds.

Reference, if needed:

<https://learn.parallax.com/tutorials/language/blocklyprop/circuit-practice-blocklyprop/check-pushbuttons>