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LAB EXERCISE - Analog input and PWM

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Use two potentiometers to adjust the volume and pitch of the output sound wave.

Inputs: potentiometers 1 and 2

Output: speaker, PC

GOOD LUCK!

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#include "mbed.h"

#include "pindef.h"

//Define variables

AnalogIn volume(A0);

AnalogIn pitch(A1);

PwmOut speaker(D6);

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MAIN function

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int main(){

speaker = 0;

speaker.period(0);

while(1){

speaker = volume / 10;

speaker.period((3.125 - (3 \* pitch)) / 1000);

wait\_ms(1);

}

}

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