

Lab 3

CS3514

23/10/17

### Tone Generation:

- Google the frequency of 'middle C'  
Convert to period ( $t = 1/f$ )
- Write a program to turn a digital o/p on & off at the desired frequency  
employ the delay function.

Note: there is a function `delayMicroseconds()`

- Repeat for the notes D E F G A B C  
Use appropriate #define statements

- update your program to read in characters from the serial port and to output a corresponding note.
- update your program so that a space character represents a period of Silence.