

## Tune-Up Tuesday for September 5, 2017

(a) Copy, paste and run the Matlab code from slide 1-14 to generate a cosine signal at frequency 440 Hz to play it as an audio signal at a sampling rate of 8000 Hz:

```
f0 = 440;  
fs = 8000;    % rate  
Ts = 1/fs;  
t = 0 : Ts : 3;    % 3 sec  
x = cos(2*pi*f0*t);  
sound(x, fs);
```

(b) Add to the code in (a) to plot the signal in the time domain using the **plot** command

(c) Add to the code in (b) by placing your name at the top of the plot using the **title** command

(d) Copy and paste your code for (c) into the Tune-up Tuesday #1 page on Canvas