```
[wave,fs]=wavread('C:\Users\Jenny\Desktop\matlab\phonokardiogramm.wav'); %
read file into memory */

sound(wave,fs); % see what it sounds like */
t=0:1/fs:(length(wave)-1)/fs; % and get sampling frequency */

plot(t,wave); % zeigt den Graph grundlegend an*/
 figure(1);
          plot(t,wave);
          title('Wave File');
          ylabel('Amplitude');
          xlabel('Length (in seconds)');
 % versieht den Graphen mit Beschriftung und Titel*/

n=length(wave)-1;
f=0:fs/n:fs;
wavefft=abs(fft(wave)); % perform Fourier Transform *

figure(2);
          plot(f,wavefft); % plot Fourier Transform */
          xlabel('Frequency in Hz');
          ylabel('Magnitude');
          title('The Wave FFT');
figure(3);
wave3=wave.^2;
plot(t, wave3);
```