A tutorial of using the htk-mfcc tool

* Download the package from <http://www.mathworks.com/matlabcentral/fileexchange/32849-htk-mfcc-matlab/content/mfcc/mfcc.m>
* Run ‘example.m’ you will see it can generate MFCCs from the sound file .
* The default values are :
  + Tw= frame duration (ms)=25 ms,
  + Ts=frame shift=10ms etc.
  + C= number of cepstral coefficents is 12.
  + MFCCs is the output MFCC parameters
* In case you want to use the MFCC parameters into a file and read it by another language or package, you may do this. In matlab:
  + >clear %clear the workspace
  + > example %run example of 32849-htk-mfcc-matlab once
  + \*\*you may need to change the sound file name in example.m to select your own sound file.
  + whos % show the parameters generated, should see MFCCs
  + >> save('foo1.txt', 'MFCCs' ,'-ascii'); %save MFCCs in foo1.txt
  + You may use other programs to read this foo1.txt to get the parameters.
* Make a function in matlab /octave to use example.m
  + Edit the file example.m
    - Comment clear all; close all; clc;, e.g. % clear all; close all; clc;
    - Add in the first line : function MFCCs=wav2mfcc1(wav\_file)
  + Save this file as ‘wav2mfcc1.m’
  + So you may use wav2mfcc1.m as a function in matlab /octave .m file or in the command window .
  + Example: put the following line in a test.m file
  + MFCCs\_OUT= wav2mfcc1(‘sound\_file.wav’);
  + %Result of running test.m: the resulting MFCC parameters will be saved in the Matrix MFCCs\_OUT after test.m is run