```matlab
function lab9
%
%  Make sure you download all the test files s1.wav -> s8.wav

nFiles = 6;
for i = 1:nFiles
    fileName = ['s' num2str(i) '.wav'];
    [s, fs] = audioread(fileName);
    num = round(32768 * s(end-12:end));
    indx = find(num);
    num = num(indx(1):end);
    str = char(48 + num);

    out = dtmfdecode(s, fs);

    fprintf(1, '%s: ', fileName)
    if (~isempty(out))
        if (strcmp(out(:), str(:)))
            fprintf(1, '%s is O.K.\n', out);
        else
            fprintf(1, 'Got %s instead of %s\n', out, str);
        end
    else
        disp('Empty');
    end
end

return
```

*s1.wav: 123456789*0# is O.K.*
*s2.wav: 123456789*0# is O.K.*
*s3.wav: 123456789*0# is O.K.*
*s4.wav: 123456789*0# is O.K.*
*s5.wav: 123456789*0# is O.K.*
*s6.wav: 123456789*0# is O.K.*

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