function [ fileNames ] = getFiles( fileFilter )

%a function that outputs a structure of all .txt files within the current

%directory

d = dir(fileFilter);

leng = length(d);

vec = zeros(1,leng);

%Create vector where '1's represent where a .txt file falls and '0's

%represent where a non .txt file falls

for i = 1:leng

vec(1,i) = length(findstr('txt', d(i).name));

end

num = sum(vec);

vec2 = zeros(5,num);

%Turn structure into cells

cell = struct2cell(d);

%Creates output vec2 with a 5x1 matrix containing name, date, bytes, isdir,

%and datenum of .txt files

for i = 1:leng

if vec(1,i) == 1

vec2 = cell(1:5,i)

end

end

%turn matrix back into a structure for output

struct = cell2struct(cell,{'name', 'date', 'bytes', 'isdir', 'datenum'});

end