```
function [outputArg1] = getSFIfiles(SFI_file)
% will pull all dircetories of athlete jumps' from wrangled_**_SFI.csv datasets
% into one list
%
% SFI_file = wrangled_**_SFI.csv
%            must have at least athlete name, total SFI score, limb
%            function catagory
```

INPUT

```
if SFI_file == 1
    SFIlist = readmatrix(fullfile("Z:\Private Student Folders\ShadanA", "wrangled_benchmark_SFI.csv"), 'Range',2,
'OutputType','string'); % file list for SFI benchmarking
elseif SFI_file == 2
    SFIlist = readmatrix(fullfile("Z:\Private Student Folders\ShadanA", "wrangled_ACLRmatched_SFI.csv"), 'Range',2,
'OutputType','string'); % file list for ACLR group and matched controls
elseif SFI_file == 3
    SFIlist = readmatrix(fullfile("Z:\Private Student Folders\ShadanA", "wrangled_ACLR_SFI.csv"), 'Range',2, 'OutputType','string'); %
file list for ACLR group only
elseif SFI_file == 4 % combined output for SFI_file = 1 and SFI_file = 3
    dataFileList1 = getSFIfiles(1);
    dataFileList2 = getSFIfiles(3);
    dataFileList = [dataFileList1; dataFileList2];
    outputArg1 = dataFileList;
    return
end
```

MAIN

```
[rownum,colnum] = size(SFIlist);
dataFileList = {};

for x = 1:rownum
    athlete = append(SFIlist(x,4), ',_', SFIlist(x,3)); % first name,_last name folder name format
```

```
    team = append(SFIlist(x,8), ' ', SFIlist(x,10)); % string together folder name (Men's Football)
    teamdir = append('Z:\Raw Data\', team); % team directory
    folderdir = dir(strcat(teamdir, '/**/', athlete)); % list folders in team directory for the athlete
    folderdir = folderdir(~ismember({folderdir.name}, {'.','..', 'info.csv'})); % only keep specific folder names
    uniquedir = {folderdir.folder};
    uniquedir = (unique(uniquedir))'; % some athletes have data in multiple folders

     for filedir = 1:length(uniquedir) % loop goes into each uniquedir and looks for SLCMJ BL Jumps
         path = string(uniquedir(filedir));
             if SFI_file == 1
                 aFiles = recursiveFindFile(path, '(CMJ){1}.*(SL){1}(_BL.csv)$', 'Regexp'); % find the files that are single leg
countermovement jump baselines
             elseif SFI_file == 2 || 3
                 aFiles = recursiveFindFile(path, '(CMJ){1}.*(SL){1}(_BL.csv)?(_RTS.csv)?', 'Regexp'); % find the files that are single
leg countermovement jump at return-to-sport
             end
         aFiles = aFiles(~contains(aFiles, 'RHT')); % remove repeated hop test
         dataFileList = vertcat(dataFileList,aFiles); % adds the file path to column in dataFileList

     end % NOTE loop will SKIP the data if team or name are spelt incorrectly in wrangled_**_SFI.csv
end

outputArg1 = dataFileList;
end
```