*##11/19/2019 Lecture Script  
##Valarie Harrison***import** arcpy  
**from** arcpy **import** env  
env.workspace = **r"H:\PythonGIS\Harrison\ArcpyLesson1\data1\data1\USA.gdb"**fc = **r"H:\PythonGIS\Harrison\ArcpyLesson1\data1\data1\USA.gdb\us\_states"**arcpy.MakeFeatureLayer\_management(fc, **"all"**)  
where = **""""STATE\_ABBR" = 'TN'"""  
print** where  
arcpy.MakeFeatureLayer\_management(fc, **"tn"**, where\_clause = where)  
arcpy.SelectLayerByLocation\_management(**"all"**, **"BOUNDARY\_TOUCHES"**, **"tn"**)  
**with** arcpy.da.SearchCursor(**"all"**, **"STATE\_ABBR"**) **as** cursor:  
 **for** row **in** cursor:  
 **print** row[0]  
  
*#OPEN, Notepad exercise*gpsTrack = open(**r"H:\PythonGIS\Harrison\gps\_track.txt"**, **"r"**)  
**print** type(gpsTrack)  
headerLine = gpsTrack.readline()  
**print** headerLine  
valueList = headerLine.split(**","**)  
**print** valueList  
**print** type(valueList)  
latIndex = valueList.index(**"lat"**)  
lonIndex = valueList.index(**"long"**)  
**print** latIndex, lonIndex  
coord = []  
**for** line **in** gpsTrack.readlines():  
 segLine = line.split(**","**)  
 coord.append([segLine[latIndex], segLine[lonIndex]])  
**print** coord