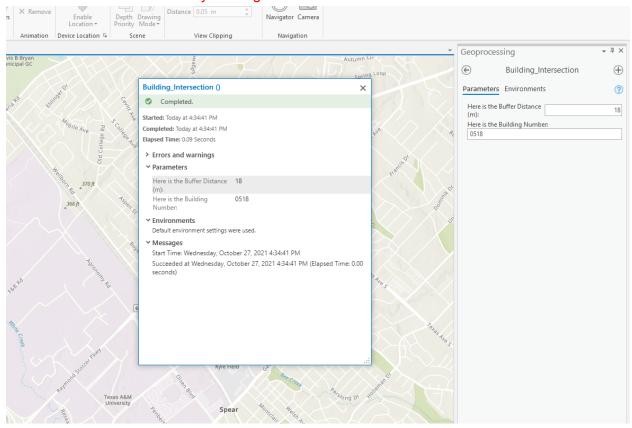
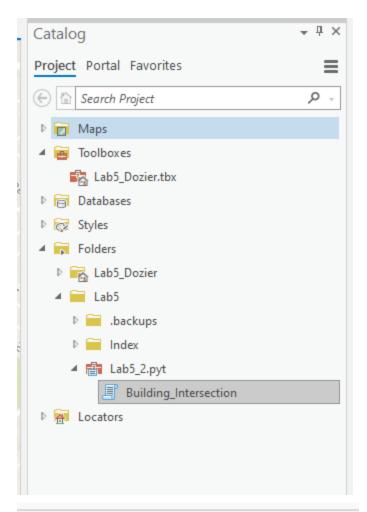
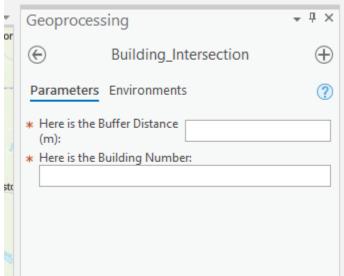
Garrett Dozier - GEOG 392 - Section: 501 - LAB 5

Screenshot of Tool successfully running in ArcGIS Pro:



Screenshot of Toolbox in ArcGIS Pro:





Screenshot of Tool code:

```
C: > Users > seths > Documents > Dozier > Lab5_Dozier.py > ...

# Importing Arcpy and overwriting the environment
                                                   # Declaring a few variables to make it easier within the rest of the code Lab4GOB = n°C:\Users\seths\Documents\Dozier\Lab4\Lab4GOB.gdb"

Structures = Lab4GOB + r"\Structures"
                                                   # creating inputs for the building number and buffer di:
building_num = int(input("Enter a building number: "))
buff_dist = int(input("Enter a buffer distance: "))
                                                    # where clause variable for the building num
where_clause = "Bldg = '%s'" % building_num
                                                  for row in scurs:
    if row.getValue("Bldg") == building_num:
        canProceed = True
                                                  if canProceed == True:
    arcpy.Select_analysis(
    Structures,
    Lab4608 + "\Structures_building_%s" % (building_num)
                                                                arcpy.Buffer_analysis(
   Lab4GOB + "\Structures_building_%s" % (building_num),
   Lab4GOB + "\Structures_building_%s" % (building_num, str(buff_dist)),
   buff_dist
                   File Edit Selection View Go Run Terminal Help

Lab4_Dozier.py  Lab5_Dozier.py X  Lab5_Dozier.py  
C > Users > seths > Documents > Dozier > Lab5 >  Lab5_Dozier.py > ...
                           # grenating a search cursor and actually checklis

# scurs = arcpy.SearchCursor(Structures, where_c

# scurs = arcpy.SearchCursor(Structures, where_c

# scurs = arcpy.SearchCursor(Structures, where_c

# scurs = arcpy.SearchCursor(Structures)

# scurs = arcpy.SearchCursor(Structures)

# scursor(Structures)

# scursor(Str
                                             if canProceed -- True:
    arcpy.Select_manlysis(
    Structures,
    tab4G08 + "\Structures_building_%s" % (building_num)
)
                                                          Lab4608 + "\Structures_building_Xs" % (building_num, str(buff_dist)), Lab4608 + "\Structures" |
 PS C:\Users\seths> & "C:/Program Files/ArcGIS/Pro/bin/Python/envs/arcgispro-py3/python.exe" c:/Users/seths/Documents/Dozier/Lab5_Dozier.py
Enter a building number: 2
Enter a buffer distance: 3
```

Screenshot of Toolbox code:

```
C: > Users > seths > Documents > Dozier > Lab5 > ♥ Lab5_2.pyt > ❤ Building Intersection > ❤ execute
                                                          # putting actual tool into play
class Building_Intersection(object):
    def __init__(self):
        """Define the tool (tool name is the name of the class)."""
        self.label = "Building_Intersection"
        self.description = ""
        self.description = ""
        self.computations
                                                                                                                                           self.canRunInBackground = False
                ◆ Labt_Dozderpy ◆ Labt_Dozderpy ◆ Labt_Dozderpy ◆ Labt_Dozderpy ◆ Labt_Dozderpy ◆ Labt_Dozderpy ★ Labt_Dozder
                   File Edit Selection View Go Run Terminal Help

Labs_Dozier.py  Labs_Dozier.py 
                                                                                                                                                                    for row in scurs:

if row.getValue("Bldg") -- building_num:

canProceed - True
```