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1  #
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2  # File Name: A6_Schuler_7-30-15.py
3  # Author: Jessica Schuler
4  # Created on: 7-30-15
5  # Description: Script Tools Assignment:
6  #             Create one custom script tool that incorporates tools.
7  #             This script uses the following tools: Clip and Select.
8  #
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9
10 # Import arcpy module
11 import arcpy
12
13 # Check out any necessary licenses
14 arcpy.CheckOutExtension("spatial")
15
16 # Overwrite pre-existing files
17 # I added this code so I could ensure works each time run - if not error is produced
18 # because the file is already there so this overwrites the old file
19 arcpy.env.overwriteOutput = True
20
21 # Local variables used in the geoprocessing tools:
22 # Inputs
23 AATABusStops = arcpy.GetParameterAsText(0)
24 Floodplain_shp = arcpy.GetParameterAsText(1)
25 Land_Use_shp = arcpy.GetParameterAsText(2)
26
27
28 # Outputs
29 AATABusStops_Clip = arcpy.GetParameterAsText(3)
30 Land_Use_Select = arcpy.GetParameterAsText(4)
31
32 # Process: Clip (Clipping all bus stops located within floodplain areas)
33 arcpy.Clip_analysis(AATABusStops, Floodplain_shp, AATABusStops_Clip, "")
34
35 # Process: Select (Selecting from the Landuse layer any categorized as "cemetery" for
36 # landuse)
37 arcpy.Select_analysis(Land_Use_shp, Land_Use_Select, "\"LANDUSE\" = 'Cemetery'")
38
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