

Lesson 4: Enumerations and Cursors

Download the Lesson4.zip file from the course webpage. Unzip the folder to begin.

Assignment 4a: Write a script using enumerations

- Write a script that does the following:
 - Makes an enumeration (list) of all the featureclasses in the Lesson4 workspace that begin with “nests.”
 - Using a While loop, print the names of all the feature classes.
 - Write your script from scratch (or copy what you need from a previous lesson to get started).
 - Be sure to comment your code.

Assignment 4b: Write a script using cursor methods and objects

- Write a script that does the following:
 - Uses a SearchCursor method to print the “nestsiteid” field from all the rows in the nests1990.shp file.
 - When you get that working, use the Select_analysis tool (method) to make a separate shapefile for each nestsite.
 - When you get that working, use the ViewShed_sa tool (method) to create a viewshed for each nestsite.
 - Think about: How could you use the code you wrote in assignment 4a with this code to create separate viewsheds for every nest site for all shapefiles.