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02-18-2019

GIS 610

Exercise 3

1. The difference between properties and methods in Python is that a method is a function which is a member of a class, whereas a property adds functionality to a function (reads only).
2. 1. arcpy.env.overwriteOutput = True
      1. Property because will automatically overwrite any existing output when running.
   2. arcpy.SearchCursor(“roads”, “TYPE” <> 4’)
      1. Method because it establishes a cursor for searching through field rows.
   3. row.setValue(‘distance’,100)
      1. Method because it sets the field value.
   4. ArcGISProject.dateSaved
      1. Property because it returns a *datetime* object that report the projects last saved date (reads).
   5. Table.isBroken
      1. This is a property because it reads if the data source is broken.
3. The function is called “letterFunc”. Yes, the parameters are being passed into a function. The parameters in the coding examples are string datasets because of the use of the lower() method. . The lower() method converts all uppercase characters into a string lowercase character and returns it. So the function is comparing if the first character in the parameters are lowercase. If so then it will return a True statement, if not it will return a false statement.
4. NameList = ['Josue', 'Ruby', 'Jake']

for name in NameList:

if name == 'Josue':

print('Happy Birthday Josue')

elif name == 'Ruby':

print('Happy Birthday Ruby')

elif name == 'Jake':

print('Happy Birthday Jake')

11. <https://github.com/josuebar/Exercise3.git>