**Exercise ArcGIS Pro Python Window**

Ex1: print (“Hello World”)

Ex2: print (test) ----------- error name ‘test’ is not defined - incorrect syntax;

try test = “Hello World”, print (test)

Ex3:

a = 12

b = 26

a\*b

Ex4:

a = 12

b = 26

if a<b:

… print (“a is less than b”)

… Press Enter button two times.

**Exercise – Python Scripting**

Example 1 - Clip flood zones using basin boundary (it should be noted that you change the directory path to your own one).

* Start ArcGIS Pro
* Create a model with model builder (optional)
* Script with python window

import arcpy

from arcpy import env

env.workspace = "C:/Users/szhang/Desktop/Python/Data"

in\_feature = "soils.shp"

clip\_feature = "basin.shp"

out\_feature\_class = "C:/Users/szhang/Desktop/Python/Output/soils\_clip.shp"

xy\_tolerance = ""

arcpy.analysis.Clip (in\_features, clip\_features, out\_feature\_class)

Example 2 - Count

import arcpy

from arcpy import env

env.workspace = "C:/Users/szhang/Desktop/Python/Data"

count\_feature = "floodzones.shp"

count = arcpy.management.GetCount(count\_feature)

print (count)

Example 3 – Save code and load it

* Save the code from python window. Right click on the Python window and select Save Transcript. It needs to be saved as a Python Script (PY) file
* Python file will include both codes and results, but results will be added as comments.
* Save as clip tool and get count tool
* Load Code (right click on the bottom session of the Python window)