

In []:

```
import arcpy
import os
```

Convert LAS File to DEM

In []:

```
arcpy.conversion.LasDatasetToRaster(
    in_las_dataset="DNR.lasd",
    out_raster=r"c:\Users\gregkohler1\GIS\Lab2\Lab2\Lab2.gdb\dnr_DEM",
    value_field="ELEVATION",
)
```

Print Layer to PDF using Layout

In []:

```
# Set up the ArcGIS Pro project
project = arcpy.mp.ArcGISProject("CURRENT")

# Specify the map containing the DEM layer
map_name = "Map"
map_obj = project.listMaps(map_name)[0]

# Specify the DEM layer
dem_layer_name = "dnr_DEM"
dem_layer = map_obj.listLayers(dem_layer_name)[0]

for layer in map_obj.listLayers():
    if layer.name != dem_layer_name:
        layer.visible = False
    else:
        layer.visible = True

# Specify the output PDF file path
pdf_output = r"C:\Users\gregkohler1\GIS\Lab2\Lab2\DNR_DEM.pdf"

#Delete PDF is already Exists
if os.path.exists(pdf_output):
    os.remove(pdf_output)

#Get Layout
layout = project.listLayouts("PDF_Export")[0]

map_frame = layout.listElements("MAPFRAME_ELEMENT")[0]

map_frame.camera.setExtent(map_frame.getLayerExtent(dem_layer))

# Export the layout to PDF
layout.exportToPDF(pdf_output)
```

In []: