Welcome to your notebook.

In [ ]:

```
```

Run this cell to connect to your GIS and get started:

In [3]:

```
from arcgis.gis import GIS
gis = GIS("home")
```

```
/opt/conda/lib/python3.7/site-packages/arcgis/gis/__init__.py:430: UserWarning
: You are logged on as zhux0474_UMN with an administrator role, proceed with c
aution.
  self.users.me.username)
```

Now you are ready to start!

In [ ]:

```
```

Jupyter Notebook in ArcOnline Lab 0 - Buffer a Shapefile

The shapefile is the Road Centerline of Dakota County, Minnesota downloaded from Minnesota Geospatial Common Data link: https://gisdata.mn.gov/dataset/us-mn-co-dakota-trans-trans-streets

The shapefile is imported to my ArcOnline Content and added as "item" to this notebook in the cell below

In [4]:

```
# Item Added From Toolbar
# Title: shp_trans_trans_streets | Type: Feature Service | Owner: zhux0474_UM
item = gis.content.get("10d24117b64d49719aebaa58d4765263")
item
```

Out[4]:

shp_trans_trans_streets
A road centerline database that can be used for assigning addresses, geocoding, labeling and general cartographic dispaly.Feature Layer Collection by zhux0474_UMN
Last Modified: September 17, 2021
0 comments, 4 views

Create 50 meters buffer around the "item" and generate an output named "buffer50meter" use the Buffer tools in the Use Proximity under the Analysis tab

Use same parameters as ArcGIS Pro: dissolve_type = None, side_type = Full, end_type = Round

In [5]:

```
# Buffer(50 meters) the "item"
from arcgis import features
features.use_proximity.create_buffers(item,
                                      distances=[50],
                                      units='Meters',
                                      dissolve_type='None',
                                      side_type='Full',
                                      end_type='Round',
                                      output_name="buffer50meters")
```

Out[5]:

buffer50meters
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In [ ]: