

Welcome to your notebook.

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

```
In [3]: from arcgis.gis import GIS
gis = GIS("home")
```

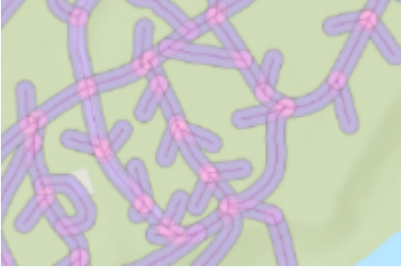
```
/opt/conda/lib/python3.7/site-packages/arcgis/gis/___init___py:430: UserWarning: You are logged on as marso093_U
MN with an administrator role, proceed with caution.
    self.users.me.username)
```

Now you are ready to start!

Added Data

(had to first upload the data as a web layer)

```
In [4]: # Item Added From Toolbar
# Title: state_park_trails_roads | Type: Feature Service | Owner: marso093_UMN
Trail_Data = gis.content.get("cd84845702804d7d986dbdb7fae75153")
Trail_Data
```

Out[4]:  **state_park_trails_roads**
Data came from Minnesota Geospatial Commons. It is a shapefile layer of maintained MN trails and roads. It has been uploaded as a practice file for my class. 🗺️ Feature Layer Collection by marso093_UMN
Last Modified: September 16, 2021
0 comments, 4 views

```
In [5]: #naming a new variable that identifies the first value from my Trail_Data Collection
Trails = Trail_Data.layers[0]
```

Trying to Buffer

(added code via the Analysis tab)

```
In [6]: from arcgis import features
my_buffer_layer = features.use_proximity.create_buffers(Trails,
                                                         distances=[5],
                                                         #field=None,
                                                         units='Meters',
                                                         dissolve_type='None',
                                                         ring_type='Disks',
                                                         side_type='Full',
                                                         end_type='Round',
                                                         output_name='Buffer_n_t3',
                                                         context=None,
                                                         gis=None,
                                                         estimate=False,
                                                         future=False)
```

Mapping the buffer in Notebooks

```
In [9]: my_map = gis.map("Minnesota")
my_map.add_layer(Trails)
my_map.add_layer(my_buffer_layer)
my_map
```

```
In [ ]:
```