Batch downloading Sentinel-2 scenes with Python – Cheat sheet

1. Activate your valid Python environment in Command Line using the **activate** command and the name of your Python environment

```
activate download
```

2. Navigate to the directory that your getsentinel.py script is in using the **cd** command

```
(download) C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3-clone>cd/

(download) C:\>cd Users/how/Downloads
```

3. Decide your input parameters for your Sentinel-2 download, making sure to at least define the mandatory variables **--aoi**, **--date1** and **--date2**

Variable	Name	Notes	Mandatory/ optional variable?	Default input
--aoi	Area of interest	List of tile identifiers or filepath to geojson polygon file denoting the area of interest	Mandatory	N/A
--date1	Start date	Start date for scene download	Mandatory	N/A
--date2	End date	End date for scene download	Mandatory	N/A
--loc1	Download folder location	Folder location to download zip files to	Optional	Directory that the Python script is in
--loc2	Unzip folder location	Folder location to unzip files to in the set folder structure	Optional	'G:/Satellitdata/S2'
--cloud	Cloud cover	Cloud cover percentage range; for example, '(0,5)' denotes a percentage range of 0% to 5%	Optional	None
--user	SciHub username	Username for logging in to SciHub	Optional	'guest'
--pswrd	SciHub password	Password for logging in to SciHub	Optional	'guest'
--prod	Product type	Product type to download (e.g. S2MSI1C or S2MSI2A)	Optional	'S2MSI1C'
--over	Overwrite flag	Flag denoting whether files that exist should be overwritten with newly downloaded version	Optional	False
--offline	Offline products flag	Flag denoting whether offline products should be retrieved from the SciHub repository	Optional	False

4. Run the script from the Command Line with your defined input parameters

```
python getsentinel2.py --aoi 22WEB --date1 20190801 --date2 20190830
```