Description

For this assignment we need to find an automated way of getting the number of orbital launches in the 'Orbital launches' table in <u>Wikipedia Orbital Launches</u> if at least one of its payloads is reported as 'Successful', 'Operational', or 'En Route'. For each launch, listed by date, the first line is the launch vehicle and any lines below it correspond to the payloads, of which there could be more than one. Please note that there might be multiple launches on a single day with multiple payloads within a single launch (we are only interested in the number of distinct launches). Please refer to the screenshot below highlighting a single payload in the table.



Data source

https://en.wikipedia.org/wiki/2019 in spaceflight#Orbital launches

Deliverable

You can use any web scraping tool or library as long as the final script is written in python 3. This script should be a pure-script, meaning that the result of the script is the same regardless of how many times you run it (we will run this script daily). The output format is a .csv file where

the first column is `date` and the second column is `value`. All dates should be formatted in the ISO 8601 format and all values should be integers. Include all dates in 2019 and fill in a 0 value for any date where there are no orbital launches. Please refer to the example output below:

Example_output.csv (numbers are fake for example purposes)

date, value
2019-01-01T00:00:00+00:00, 0
2019-01-02T00:00:00+00:00, 1
2019-01-03T00:00:00+00:00, 2
2019-01-04T00:00:00+00:00, 3
2019-01-05T00:00:00+00:00, 2
...
2019-12-31T00:00:00+00:00, 1