import bs4

from bs4 import BeautifulSoup

import requests

import pandas as pd

from datetime import datetime

# to get data from website

file = requests.get("https://forecast.weather.gov/MapClick.php?lat=37.777120000000025&lon=-122.41963999999996")

soup = BeautifulSoup(file.content, "html.parser")

# create empty list

list =[]

all = soup.find("div", {"class":"locations-title seven-day-page-title"}).find("h1").text

# find all table with class-"twc-table"

content = soup.find\_all("table", {"class":"twc-table"})

for items in content:

for i in range(len(items.find\_all("tr"))-1):

# create empty dictionary

dict = {}

try:

# assign value to given key

dict["day"]= items.find\_all("span", {"class":"date-time"})[i].text

dict["date"]= items.find\_all("span", {"class":"day-detail"})[i].text

dict["desc"]= items.find\_all("td", {"class":"description"})[i].text

dict["temp"]= items.find\_all("td", {"class":"temp"})[i].text

dict["precip"]= items.find\_all("td", {"class":"precip"})[i].text

dict["wind"]= items.find\_all("td", {"class":"wind"})[i].text

dict["humidity"]= items.find\_all("td", {"class":"humidity"})[i].text

except:

# assign None values if no items are there with specified class

dict["day"]="None"

dict["date"]="None"

dict["desc"]="None"

dict["temp"]="None"

dict["precip"]="None"

dict["wind"]="None"

dict["humidity"]="None"

# append dictionary values to the list

list.append(dict)

convert = pd.DataFrame(list)

convert.to\_csv("output.csv")

# read csv file using pandas

a = pd.read\_csv("output.csv")

print(a)