Beautiful Soup Project

This is a web scraping project using Beautiful Soup library.
Objective: to retrieve data from "wuzzuf.net" with specific search criteria (Data analyst)

import modules

In [ ]:
```
import requests
from bs4 import BeautifulSoup
import pandas as pd
```

Use requests to fetch the url

In [ ]:
```
result = requests.get("https://wuzzuf.net/search/jobs/?q=data+analyst&a=hpb")
```

Save page content/markup

In [ ]:
```
src= result.content
#src
```

Create soup object to parse the content

In [ ]:
```
soup=BeautifulSoup(src,"lxml")
#soup
```

Find the elements that contain the needed info:
Job title, company name, location, skills, date, job description, and requirements

In [ ]:
```
job_titles_html=soup.find_all("h2",{"class":"css-m604qf"})
#job_titles
```

In [ ]:
```
company_names_html=soup.find_all("a",{"css-17s97q8"})
#company_names
```

In [ ]:
```
locations_html=soup.find_all("span",{"class":"css-5wys0k"})
#locations
```

In [ ]:
```
dates_html=soup.find_all("div", {"class":["css-do6t5g","css-4c4ojb"]})
#dates_html
```

In [ ]:
```
shift_types_html=soup.find_all("span",{"class":"css-1ve4b75 eoyjyou0"})
#shift_type
```

Loop over returned lists to extract needed info into other lists

In [ ]:
```
job_titles_txt=[]
company_names_txt=[]
locations_txt=[]
dates_txt=[]
shift_types_txt=[]
```

In [ ]:
```
for i in range(len(dates_html)):
    job_titles_txt.append(job_titles_html[i].text)
    company_names_txt.append(company_names_html[i].text)
    locations_txt.append(locations_html[i].text)
    dates_txt.append(dates_html[i].text)
    shift_types_txt.append(shift_types_html[i].text)
```

Create Dictionary

In [ ]:
```
dict1={"Job Title":job_titles_txt,
       "Company":company_names_txt,
       "Location":locations_txt,
       "Date":dates_txt,
       "Type":shift_types_txt}
#dict11
```

Create Pandas DataFrame

In [ ]:
```
df=pd.DataFrame(dict1)
df
```

Out[ ]:

	Job Title	Company	Location	Date	Type
0	Data Analyst	ITCan -	New Cairo, Cairo, Egypt	13 days ago	Full Time
1	Data Analyst	London International Patient Services -	Sheraton, Cairo, Egypt	13 days ago	Full Time
2	Data Analyst	AL-Matar -	Maadi, Cairo, Egypt	12 days ago	Full Time
3	Data Analyst	Safa International Travel -	Dokki, Giza, Egypt	14 days ago	Full Time
4	Medical Data Analyst- Private Hospital Background	Confidential -	New Cairo, Cairo, Egypt	5 days ago	Full Time
5	Senior Data Analyst	Fawry for Banking Technology and Electronic Pa...	Smart Village, Giza, Egypt	20 days ago	Full Time
6	Electronic Data Interchange (EDI) Analyst (Flu...	FlairsTech -	Cairo, Egypt	15 days ago	Full Time
7	Data Analyst	Othaim -	Katameya, Cairo, Egypt	22 days ago	Full Time
8	Data Analyst	Confidential -	Heliopolis, Cairo, Egypt	27 days ago	Full Time
9	Senior Software Business Analyst / ERP	Our Education -	Nasr City, Cairo, Egypt	1 day ago	Full Time
10	Data Analyst	Al Ahly capital holding - Al Ahly Tamkeen -	Zamalek, Cairo, Egypt	1 month ago	Full Time
11	Software Business Analyst	WSC -	Dokki, Giza, Egypt	26 days ago	Full Time
12	Market Research Analyst	Gap Polymers -	Maadi, Cairo, Egypt	27 days ago	Full Time
13	Business analyst	Dawi Clinics -	Maadi, Cairo, Egypt	27 days ago	Full Time
14	Financial Analyst - Innoventures	Cultiv -	Heliopolis, Cairo, Egypt	28 days ago	Full Time

Export DataFrame to CSV file

In [ ]:
```
df.to_csv("jobs.csv", index=False)
```