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AI Diploma

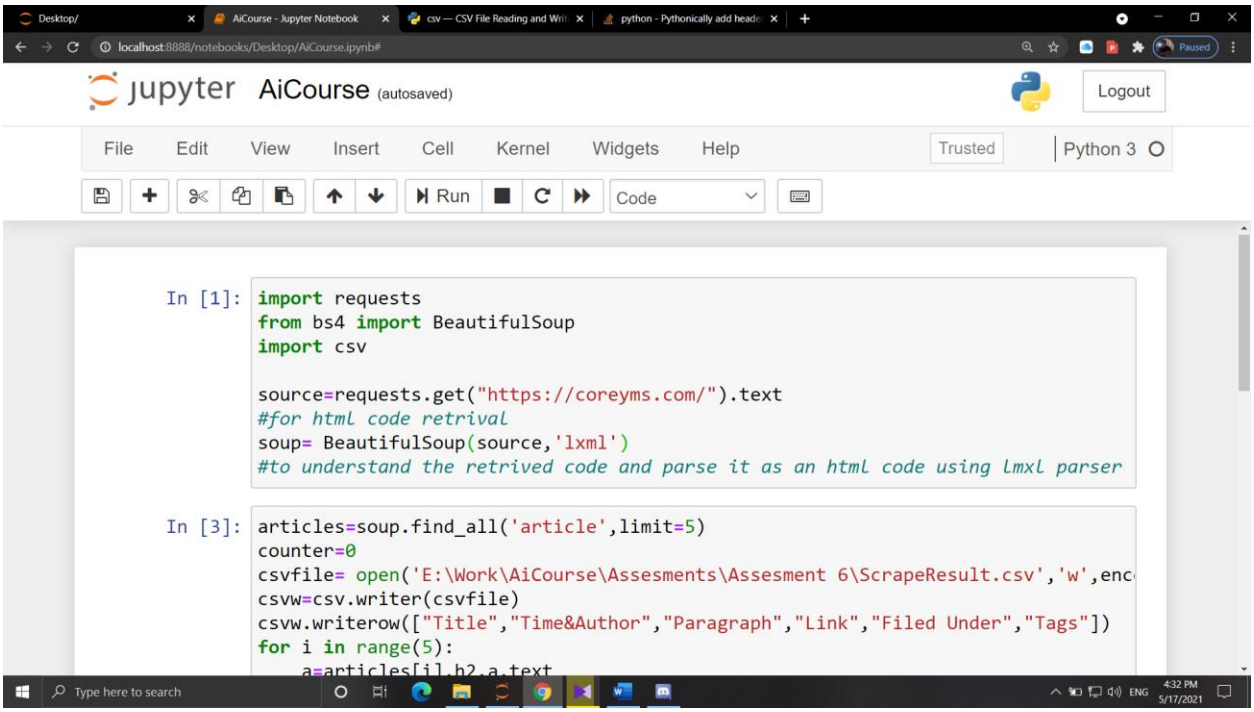
Assessment Six

Abdelrahman Adel
Abdelrahman.adel.elsayed@gmail.com

Contents

Task one:

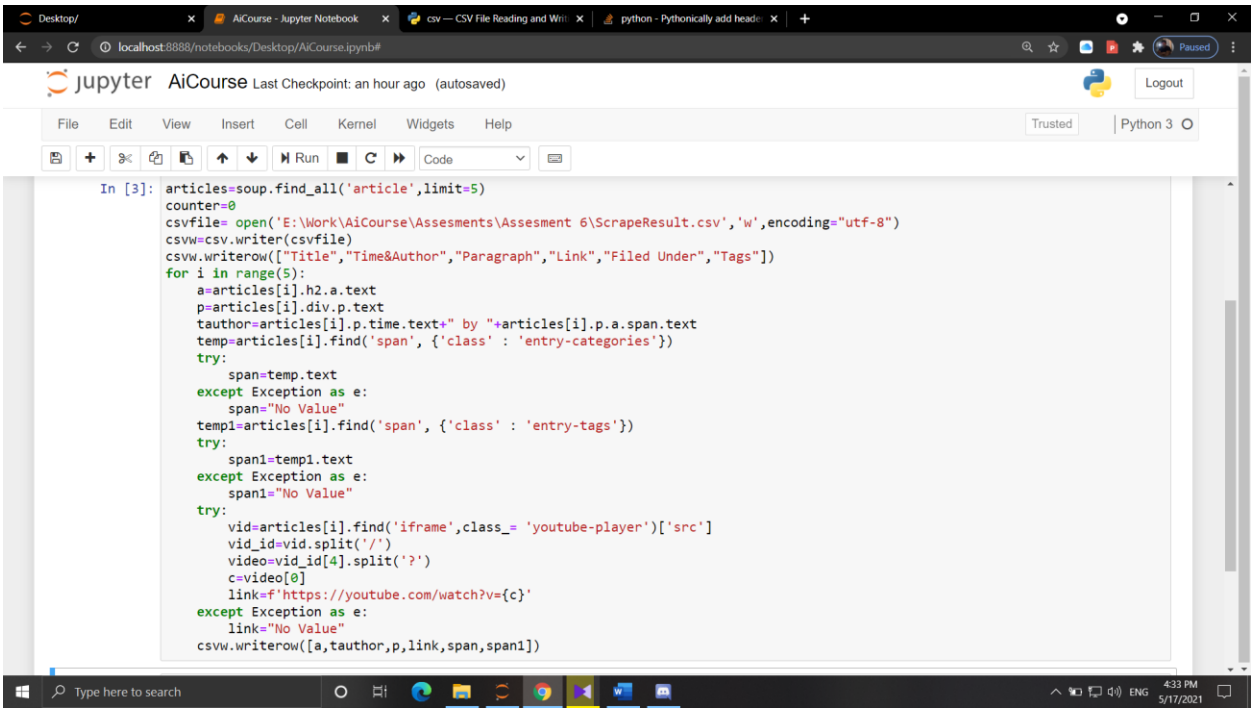
Scrapping the first five articles from https://coreyms.com/, and saving the results to csv file.



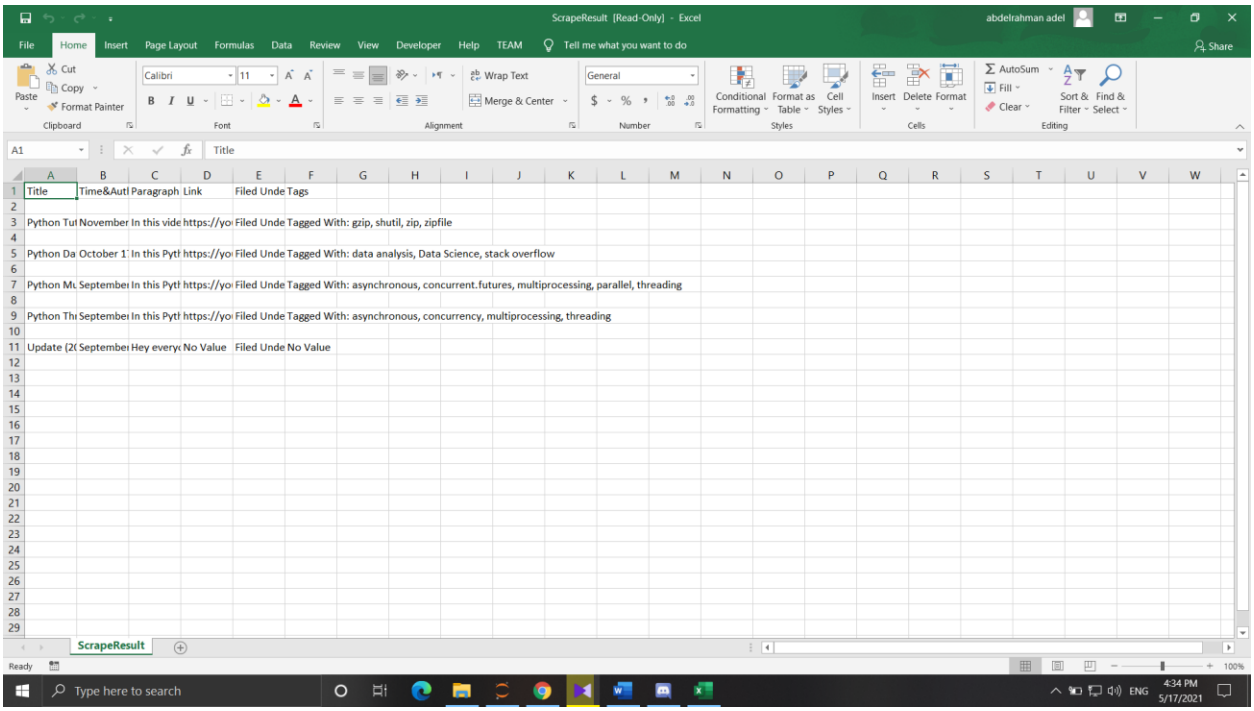
```
In [1]: import requests
        from bs4 import BeautifulSoup
        import csv

        source=requests.get("https://coreyms.com/").text
        #for html code retrival
        soup= BeautifulSoup(source,'lxml')
        #to understand the retrived code and parse it as an html code using lmxl parser

In [3]: articles=soup.find_all('article',limit=5)
        counter=0
        csvfile= open('E:\Work\AiCourse\Assesments\Assesment 6\ScrapeResult.csv','w',enc
        csvw=csv.writer(csvfile)
        csvw.writerow(["Title","Time&Author","Paragraph","Link","Filed Under","Tags"])
        for i in range(5):
            a=articles[i].h2.a.text
```

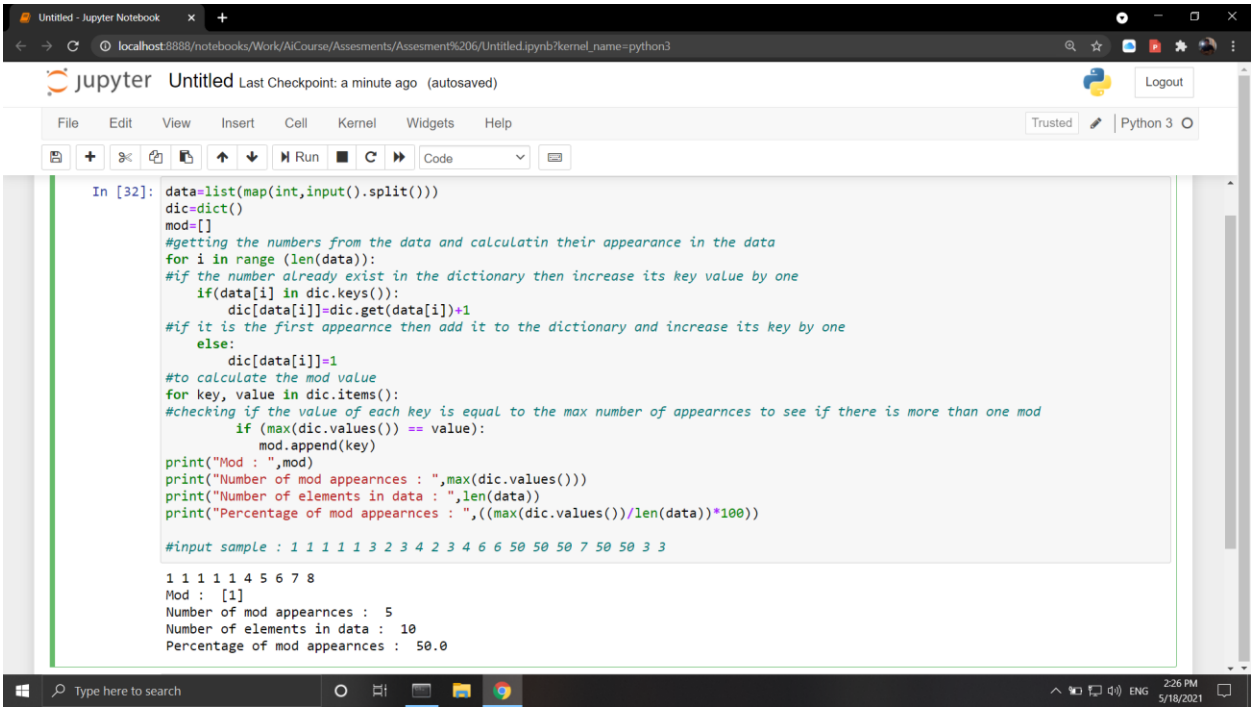


```
In [3]: articles=soup.find_all('article',limit=5)
        counter=0
        csvfile= open('E:\Work\AiCourse\Assesments\Assesment 6\ScrapeResult.csv','w',encoding="utf-8")
        csvw=csv.writer(csvfile)
        csvw.writerow(["Title","Time&Author","Paragraph","Link","Filed Under","Tags"])
        for i in range(5):
            a=articles[i].h2.a.text
            p=articles[i].div.p.text
            tauthor=articles[i].p.time.text+" by "+articles[i].p.a.span.text
            temp=articles[i].find('span', {'class' : 'entry-categories'})
            try:
                span=temp.text
            except Exception as e:
                span="No Value"
            temp1=articles[i].find('span', {'class' : 'entry-tags'})
            try:
                span1=temp1.text
            except Exception as e:
                span1="No Value"
            try:
                vid=articles[i].find('iframe',class_= 'youtube-player')['src']
                vid_id=vid.split('/')
                video=vid_id[4].split('?')
                c=video[0]
                link=f'https://youtube.com/watch?v={c}'
            except Exception as e:
                link="No Value"
            csvw.writerow([a,tauthor,p,link,span,span1])
```



Task Two:

Calculating the mode of data values, and how many times did it appear in the data, also the percentage of its appearance to the total data count.



Task Three:

Solving the html exercises on the website:

https://www.w3schools.com/html/exercise.asp?filename=exercise_html_attributes1