

	AIR UNIVERSITY
	DEPARTMENT OF COMPUTER SCIENCE
	Lab Task 6

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Subject: Data Science

Semester: VIII

Objective: Web Scraping

ASSESSMENT:

Attributes	Excellent (5)	Good (4)	Average (3)	Satisfactory (2)	Unsatisfactory (1)
Ability to Conduct Task					
Ability to assimilate the results					
Effective use of theorems/postulates/formulas					

Total Marks:

Obtained Marks:

REPORT ASSESSMENT:

Attributes	Excellent (5)	Good (4)	Average (3)	Satisfactory (2)	Unsatisfactory (1)
Data presentation					
Experimental results					
Conclusion					

```

from bs4 import BeautifulSoup as bs
import requests
link = 'https://www.rottentomatoes.com/m/kung_fu_panda_4/reviews'
page = requests.get(link)
page
page.content
soup= bs(page.content)
soup.prettify()
names = soup.find_all('a',class_='display-name')
names
cust_name = []
for i in range(0,len(names)):
    cust_name.append(names[i].get_text().replace(" ", "").replace("\n", ""))
cust_name
len(cust_name)
text = soup.find_all('p',class_='review-text')
text
reviews = []
for i in range(0,len(text)):
    reviews.append(text[i].get_text())
reviews
len(reviews)
reviews[:] = [titles.lstrip('\n') for titles in reviews]
reviews
reviews[:] = [texts.rstrip('\n') for texts in reviews]
reviews
rating = soup.find_all('score-icon-critic-deprecated')
rating
rate = []
for i in range(0,len(rating)):
    if rating[i].get("state") == "rotten":
        rate.append("Negative")
    else:
        rate.append("Positive")
rate
len(rate)
import pandas as pd
df1 = pd.DataFrame()
df2 = pd.DataFrame()
df3 = pd.DataFrame()
df1['Customer Name']=cust_name
df2['Reviews']=reviews
df3['Ratings']=rate
result = pd.concat([df1,df2,df3],axis=1)
result.head()

```

```
result.shape  
result.to_csv('reviews.csv',index=True)
```

Screenshots:

...

	Customer Name	Reviews	Ratings
0	Candice McMillan	The writing never stalls in one scene for very...	Positive
1	Katie Walsh	This dumpling is a little too light on the fil...	Positive
2	Mat Brunet	In a way, it's like if Kung Fu Panda lost a bi...	Positive
3	Steven Prokopy	Mostly, KFP4 feels like a safe step forward, a...	Positive
4	Lauren Veneziani	Jack Black, Awkwafina and Viola Davis give ste...	Positive