Web Scrapping - Case_Internshala.

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Imporing the necessary libraries.

```
In [2]:
         import requests
          from bs4 import BeautifulSoup as BS
In [3]:
         url = 'https://internshala.com/internships/work-from-home-data%20science-jobs'
         page = requests.get(url)
          soup = BS(page.text, 'html.parser')
         print(soup.prettify())
           <!DOCTYPE html>
           <html xmlns="http://www.w3.org/1999/xhtml" xmlns:fb="https://www.facebook.com/2008/fbml" xmlns:og="http</pre>
            <head>
             <meta content="IE=9" http-equiv="X-UA-Compatible"/>
             <meta charset="utf-8"/>
             <meta content="width=device-width, initial-scale=1.0 user-scalable=0" name="viewport"/>
             <meta content="272234782795210" property="fb:app_id"/>
             <meta content="article" property="og:type"/>
             <meta content="1200" property="og:image:width"/>
             <meta content="630" property="og:image:height"/>
             <meta content="@Internshala" name="twitter:site"/>
             <meta content="summary_large_image" name="twitter:card"/>
             <meta content="@internshala" name="twitter:creator"/>
             <meta content="https://internshala.com/static/images/internships_for_facebook.png" name="twitter:imag</pre>
             <meta content="#1295c9" name="theme-color"/>
             <meta content="#1295c9" name="msapplication-navbutton-color"/>
             <script defer="" src="https://internshala.com/static/js/includes/common/jquery-1.11.1.min.js">
             <script defer="" src="https://internshala.com/static/cdn/3.3.6/bootstrap.min.js">
             </script>
             <link href="https://internshala.com/static/cdn/3.3.6/bootstrap.css" rel="stylesheet"/>
             <link href="https://internshala.com/static/cdn/fonts/open_sans/open_sans min.css" rel="stylesheet" ty</pre>
             <link href="https://internshala.com/favicon.ico?v=3" rel="icon"/>
              script type="annlication/ld+ison">
```

Getting the Fields list.

Getting the company list.

Cleaning process.

Removing the extraspaces at the front and the back of the string.

Testing the above results in a dataframe.

In [10]:

import pandas as pd

	Companies	Fields
0	IIT Bombay	Deep Learning
1	Motilal Oswal	Data Analytics
2	UpGrad	Teaching (Business Analytics)
3	Shyena Tech Yarns Private Limited	Data Science
4	TechnoYantra	Machine Learning
5	Uttam Blastech Pvt. Ltd.	Machine Learning
6	Predicon.io	Data Analytics
7	NULL Innovation Private Limited	Data Analytics
8	Quesite Services Private Limited	Machine Learning
9	Bhigusa Health Care	Product Management
10	Analyticscosm	Data Analytics
11	Challenge Katta	Machine Learning
12	Kangaroo Rooms	Machine Learning
13	MedTourEasy	Business Analytics
14	Challenge Katta	Data Science
15	360DigiTMG	Data Science
16	Prutha Technologies Private Limited	Business Analytics
17	HR Ocuos	Business Analytics
18	Skill Hives	Web Development
19	Stirring Minds	Business Analytics
20	LineupX	Machine Learning
21	Intel Index	Machine Learning
22	AutomizeApps	Flask Application Development
23	Neolen	Machine Learning
24	CogniAble	Machine Learning
25	ShootMe.in	Customer Service Analytics
26	UFC Food LLP	Data Analytics Using R Programming
27	SkillBit	Machine Learning
28	Nion Technologies	Machine Learning & Computer Vision
29	Xovex IT International	Artificial Neural Networks
30	Frontlobe Insights	Environment Management & Analytics
31	FinThink Academy	Stock Market Analysis (Technical & Fundamental)
32	TransWeb Global Incorporation	Machine Learning
33	InventGrid India Private Limited	Artificial Intelligence/Machine Learning (Imag
34	GoOffer Hyperlocal Private Limited	Research Analytics

	Companies	Fie	elds
35	SJTech Solutions	Machine Learning	
36	SkillBit	Data Science	
37	ShootMe.in	B2B Alliance Analytics	
38	SkillAngels	Data Analytics	
39	Plan My Health	Financial Analytics	

Getting the internship description.

```
In [11]:
      x = soup.find_all(class_ = 'table-responsive')
      print(x[0])
      print('----')
      print(x[1])
       <div class="table-responsive">
       <thead>
       Start Date
       >Duration
       Stipend
       Posted On
       Apply By
       </thead>
       <div id="start-date-first">Immediately</div>
       >
                          6 Months
                                               <i class="fa fa-inr"></i>2000-4000 /month
                       26 Mar'20
       23 Apr'20
       </div>
       <div class="table-responsive">
       <thead>
       Start Date
       Duration
       Stipend
       Posted On
       Apply By
       </thead>
       <div id="start-date-first">20 Apr - 30 Apr'20</div>
       >
                          4 Months
                                               <i class="fa fa-inr"></i>1000 /month
```

```
20 Mar'20
17 Apr'20

</div>
```

Putting all the data into lists.

Cleaning the data one by one.

Cleaning start_date_list.

```
In [15]:
    start_date_list[:5]

    ['Immediately',
        "20 Apr - 30 Apr'20",
        'Immediately',
        'Immediately',
        'Immediately']
```

```
In [16]:
          for ii in range(len(start_date_list)):
               start_date_list[ii] = start_date_list[ii].replace('\n','')
          start date list[:10]
           ['Immediately',
            "20 Apr - 30 Apr'20",
            'Immediately',
            'Immediately',
            'Immediately',
            "11 May - 18 May'20",
            'Immediately',
            'Immediately',
            'Immediately',
            'Immediately']
            Cleaning duration_list.
In [17]:
          duration_list[:5]
           ['6 Months', '4 Months', '6 Months', '4 Months', '3 Months']
In [18]:
          for ii in range(len(duration list)):
              duration_list[ii] = duration_list[ii].replace('\n','')
              duration_list[ii] = duration_list[ii].replace('
              duration_list[ii] = duration_list[ii].replace('
          duration_list[:5]
           ['6 Months', '4 Months', '6 Months', '4 Months', '3 Months']
            Cleaning stipend list.
In [19]:
          stipend_list[:5]
           ['2000-4000 /month',
            '1000 /month',
            '15000 /month',
            '1000 /month',
            '5000-10000 /month']
```

Converting our data into a dataframe and exporti .csv file.

```
import pandas as pd
import os
os.chdir(r'C:\Users\acer\Desktop\PythonProgramming')
```

```
df = pd.DataFrame()

df['Companies'] = company_list
    df['Fields'] = fields_list
    df['Start Date'] = start_date_list
    df['Duration'] = duration_list
    df['Stipend'] = stipend_list
    df['Posted On'] = posted_on_list
    df['Apply By'] = apply_by_list
    df.head(10)
```

	Companies		Fields	Start Date	Duration	
0	IIT Bombay	Deep Learning		Immediately	6 Months	2000-4000 /m
1	Motilal Oswal	Data Analytics		20 Apr - 30 Apr'20	4 Months	1000 /month
2	UpGrad	Teaching (Business Analytics)		Immediately	6 Months	15000 /month
3	Shyena Tech Yarns Private Limited	Data Science		Immediately	4 Months	1000 /month
4	TechnoYantra	Machine Learning		Immediately	3 Months	5000-10000 /r
5	Uttam Blastech Pvt. Ltd.	Machine Learning		11 May - 18 May'20	2 Months	10000 lump-S
6	Predicon.io	Data Analytics		Immediately	6 Months	10000-20000
7	NULL Innovation Private Limited	Data Analytics		Immediately	4 Months	3000 /month
8	Quesite Services Private Limited	Machine Learning		Immediately	4 Weeks	2000 /month - Incentives
9	Bhigusa Health Care	Product Managemer	nt	Immediately	2 Months	10000 /month

Exporting into .csv file.

```
In [24]: | df.to_csv('internshala.csv', index = False)
```

The End.