

1mg Web Scraping

In [2]: `!pip install requests`

```
Requirement already satisfied: requests in c:\users\ankit\anaconda3\lib\site-packages (2.27.1)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\ankit\anaconda3\lib\site-packages (from requests) (2021.10.8)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\ankit\anaconda3\lib\site-packages (from requests) (1.26.9)
Requirement already satisfied: charset-normalizer~=2.0.0 in c:\users\ankit\anaconda3\lib\site-packages (from requests) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\ankit\anaconda3\lib\site-packages (from requests) (2.10)
```

In [3]: `!pip install bs4`

```
Collecting bs4
  Downloading bs4-0.0.2-py2.py3-none-any.whl (1.2 kB)
Requirement already satisfied: beautifulsoup4 in c:\users\ankit\anaconda3\lib\site-packages (from bs4) (4.11.1)
Requirement already satisfied: soupsieve>1.2 in c:\users\ankit\anaconda3\lib\site-packages (from beautifulsoup4->bs4) (2.3.1)
Installing collected packages: bs4
Successfully installed bs4-0.0.2
```

In [50]: `import requests as rt`
`import bs4`

In [93]: `key=input("Enter The Problem Or Medicine Name = ")`
`url="https://www.1mg.com/search/all?name="+key`
`url`

Enter The Problem Or Medicine Name = headache

Out[93]: `'https://www.1mg.com/search/all?name=headache'`

In [94]: *# user agent act as a web browser to get content from the website if website rejects the request
of user to fetch HTML content.*

```
h={'User-agent':'Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.106
```

In [95]: `dt=rt.request("get",url,headers=h)`

In [96]: `dt.status_code`

Out[96]: 200

In [97]: *# showing all the HTML text*

```
dt.text
```

Out[97]: `<!DOCTYPE html><!-- Chrome, Firefox OS, Opera and Vivaldi -->\n<meta name="theme-color" content="#FFF3E3">\n<!-- Windows Phone -->\n<meta name="msapplication-navbutton-color" content="#FFF3E3">\n<!-- iOS Safari -->\n<meta name="apple-mobile-web-app-status-bar-style" content="#FFF3E3">\n<meta name="apple-mobile-web-app-capable" content="yes">\n<html lang="en">\n<head prefix="og: http://ogp.me/ns# (http://ogp.me/ns#) nodejsexpressdemo: http://ogp.me/ns/apps/nodejsexpressdemo#">\n<!--Newrelic (http://ogp.me/ns/apps/nodejsexpressdemo#">\n<!--Newrelic) Header-->\n<!-- Application styles-->\n<link href="/faviconRebrand.ico" rel="shortcut icon" type="image/x-icon">\n<meta name="viewport" content="width=device-width, height=device-height, initial-scale=1.0, maximum-scale=2.0">\n<meta name="msvalidate.01" content="099F7701BE7D0B79C7C51734FDC2A2D9">\n<meta name="referrer" content="strict-origin-when-cross-origin">\n<meta name="google-adsense-account" content="ca-pub-8841434586234905">\n<link rel="manifest" href="/notifyvisitors_push/chrome/manifest.json">\n<!-- Apple Touch Icons-->\n<link rel="apple-touch-icon" sizes="57x57" href="/apple-touch-icon-57x57.png">\n<link rel="apple-touch-icon" sizes="60x60" href="/apple-touch-icon-60x60.png">\n<link rel="apple-touch-icon" sizes="72x72" href="/apple-touch-icon-72x72.png">\n<link rel="apple-touch-icon" sizes="76x76" href="/apple-touch-icon-76x76.png">\n<link rel="apple-touch-icon" sizes="114x114" href="/apple-touch-icon-114x114.png">\n<link rel="apple-touch-icon" sizes="120x120" href="/apple-touch-icon-120x120.png">\n<link rel="apple-touch-icon" sizes="144x144" href="/apple-touch-icon-144x144.png">\n<link rel="apple-touch-icon" sizes="152x152" href="/apple-touch-icon-152x152.png">\n<link rel="apple-touch-icon" sizes="180x180" href="/apple-touch-icon-180x180.png">\n<link rel="apple-touch-icon" href="/apple-touch-icon-57x57.png">\n<link rel="apple-touch-icon-precomposed" href="/apple-touch-icon-precomposed.png">\n<link rel="preload" as="font" type="font/w`

In [98]: dt.text

```
50% repeat-x;font-weight:700;color:#eb8f00}.ui-state-active a,.ui-state-active a:link,.ui-state-active
a:visited{color:#eb8f00;text-decoration:none}.ui-state-highlight,.ui-widget-content .ui-state-highligh
t,.ui-widget-header .ui-state-highlight{border:1px solid #fed22f;background:#ffe45c url(images/ui-bg_hig
hlight-soft_75_ffe45c_1x100.png) 50% top repeat-x;color:#363636}.ui-state-highlight a,.ui-widget-content
.ui-state-highlight a,.ui-widget-header .ui-state-highlight a{color:#363636}.ui-state-error,.ui-widget-c
ontent .ui-state-error,.ui-widget-header .ui-state-error{border:1px solid #cd0a0a;background:#b81900 url
(images/ui-bg_diagonals-thick_18_b81900_40x40.png) 50% 50% repeat;color:#fff}.ui-state-error a,.ui-widge
t-content .ui-state-error a,.ui-widget-header .ui-state-error a{color:#fff}.ui-state-error-text,.ui-widg
et-content .ui-state-error-text,.ui-widget-header .ui-state-error-text{color:#fff}.ui-priority-primary,.
ui-widget-content .ui-priority-primary,.ui-widget-header .ui-priority-primary{font-weight:700}.ui-priori
ty-secondary,.ui-widget-content .ui-priority-secondary,.ui-widget-header .ui-priority-secondary{opacit
y:.7;filter:Alpha(Opacity=70);font-weight:400}.ui-state-disabled,.ui-widget-content .ui-state-disabled,.
ui-widget-header .ui-state-disabled{opacity:.35;filter:Alpha(Opacity=35);background-image:none}.ui-state
-disabled .ui-icon{filter:Alpha(Opacity=35)}.ui-icon{width:16px;height:16px}.ui-icon,.ui-widget-content
.ui-icon{background-image:url(https://assets.1mg.com/hkp/1.0.0/static/css/images/ui-icons_222222_256x24
0.png)}.ui-widget-header .ui-icon{background-image:url(https://assets.1mg.com/hkp/1.0.0/static/css/image
s/ui-icons_ffffff_256x240.png)}.ui-state-default .ui-icon{background-image:url(https://assets.1mg.com/hk
p/1.0.0/static/css/images/ui-icons_ef8c08_256x240.png)}.ui-state-focus .ui-icon,.ui-state-hover .ui-icon
{background-image:url(https://assets.1mg.com/hkp/1.0.0/static/css/images/ui-icons_ef8c08_256x240.png)}.u
i-state-active .ui-icon{background-image:url(https://assets.1mg.com/hkp/1.0.0/static/css/images/ui-icons
```

In [100]: sp=bs4.BeautifulSoup(dt.text,"html.parser")

In [101]: sp.text

Out[101]: "\n\n\n\n\n\nSearch results for headache | 1mg MedicinesLab TestsSAFEConsult DoctorsCancer CarePartnersh
ipsNEWCare PlanLogin | Sign UpOffersNeed Help?TOP CITIESNew DelhiGurgaonPuneMumbaiBengaluruKolkataHydera
badAhmedabadChennaiIndoreLucknowJaipurChandigarhBhopalNoidaNavi MumbaiSuratPatnaLudhianaBhubaneshwarALL
CITIESAboharAdilabadAdoniAgarAgartalaAgraAhmedabadAhmednagarAizawlAjmerAkolaAlappuzhaAligarhAlipurduarAl
irajpurAllahabadAlmoraAlwarAmbalaAmbatturAmbedkar NagarAmravatiAmreliAmritsarAmrohaAnandAnantapurAnanthn
agAnantnagAngamallyAngulAnkleshwarAnnurAnuppurArakkonamArambagArantangiArariaArcotAriyalurArwalAsansolAs
hok NagarAssaudhAttuvampattiAuraiyaAurangabad BiharAurangabad MaharashtraAviyurAyyangarkulamAzamgarhBadl
apurBagalkotBageshwarBaghpatBagpatBahadurgarhBahraichBaksaBalaghatBalangirBaleswarBalliaBallyBalrampurBa
naskanthaBandaBangaloreBangalore RuralBankaBankuraBanswaraBarabankiBaramatiBaramullaBaranBarautBardhaman
BareillyBargarhBarmerBarnalaBarpetaBarrackporeBaruipurBarwaniBasirhatBastarBastiBathindaBeawarBeedBegumg
anjBegusaraiBehraghoraBehrampurBelgaumBellaryBelurBengaluruBetulBetul GanjBhadrakBhadravati KarnatakaBha
galpurBhandaraBharatpurBharuchBhatkalBhavaniBhavnagarBhilaiBhilwaraBhindBhiwadiBhiwandiBhiwaniBhojpurBho
palBhubaneshwarBhunaBhusawalBidarBijapur ChattisgarhBijapur KarnatakaBijnorBikanerBilaspur ChattisgarhBi
laspur Himachal PradeshBirbhumBishnupurBoisarBokaroBongaigaonBongaonBotadBoudhBudaunBudgamBukkapatnamBul
andshahrBuldanaBuldhanaBundiBurdwanBurhanpurBuxarCacharCalicutChamarajanagarChambaChamoliChampawatChamph
aiChandauliChandelChandigarhChandrapurChanganasseryChanglangChatraChennaiChhatarpurChhindwaraChikkaballa
purChikkaballapuraChikmagalurChintamaniChitradurgaChitrakootChittoorChittorgarhChrompetChurachandpurChur
uCochinCoimbatoreCooch BeharCuddaloreCuddapahCuttackDadra & Nagar HaveliDahanuDahodDakshina KannadaDaman
DamohDantewadaDarbhangaDarjilingDarrangDatiaDausaDavangereDebagarhDehradunDelhiDeogharDeoriaDera BassiDe

```
In [102]: num=0
List=[]
for i in sp.findAll("div",{ 'class': 'col-md-3 col-sm-4 col-xs-6 style__container__jkjS2' }):
    n=i.find("div",{ 'class': 'style__pro-title__3G3rr' }).text
    p=i.find("div",{ 'class': 'style__price-tag__Kz0kY' }).text
    p=p.replace("MRP", '')
    p=p.lstrip()
    link=i.find('a').get("href")
    l="https://www.1mg.com"+link
    num=num+1
    print("-----Number- ", num, "-----")
    print("NAME= ", n, end='\n \n')
    print("PRICE= ", p, end='\n \n')
    print("LINK=", l, end='\n \n')
    dt2=rt.request("get", l, headers=h)
    sp2=bs4.BeautifulSoup(dt2.text, "html.parser")

    try:
        info=sp2.find("div",{ 'class': 'ProductDescription__description-content__A_qCZ' }).text
        print('INFORMATION=', "\n \n", info, end='\n \n \n \n')
    except:
        print("Description not available")
    List.append([n,p,l,info])
```

-----Number- 2 -----

NAME= Tata 1mg Digital Thermometer with One Touch Operation for Child and Adult

PRICE= ₹94

LINK= <https://www.1mg.com/otc/tata-1mg-digital-thermometer-with-one-touch-operation-for-child-and-adult-otc842569> (<https://www.1mg.com/otc/tata-1mg-digital-thermometer-with-one-touch-operation-for-child-and-adult-otc842569>)

INFORMATION=

Tata 1mg Digital Thermometer is fast, accurate, and easy to use, which gives a reading within 20 seconds. It can be used in the oral cavity, rectal cavity, or under the armpit. It has a rigid tip and is also water-resistant. Uses: Tata 1mg Digital Thermometer is used to measure the body temperature and convert the reading into a readable format such as Celsius, Fahrenheit or Kelvin. Product Specifications and Features:

Measurement range: 35.5C - 42.0C / 95F - 109F

In [103]: `import pandas as pd`

In [104]: `data=pd.DataFrame(List,columns=['Name', 'Price', 'Link', 'Description'])`

In [105]: `data.head()`

Out[105]:

	Name	Price	Link	Description
0	New Saridon Tablet for Fast Headache Relief	₹47	https://www.1mg.com/otc/new-saridon-tablet-for...	New Saridon Tablet Headache ReliefNew Saridon ...
1	Tata 1mg Digital Thermometer with One Touch Op...	₹94	https://www.1mg.com/otc/tata-1mg-digital-therm...	Tata 1mg Digital Thermometer is fast, accurate...
2	Saridon Advance Tablet for 5 in 1 Pain Relief	₹46	https://www.1mg.com/otc/saridon-advance-tablet...	Saridon Advance Tablet for 5 in 1 Pain Relief ...
3	Dolo 650 Tablet	₹29	https://www.1mg.com/drugs/dolo-650-tablet-74467	Saridon Advance Tablet for 5 in 1 Pain Relief ...
4	Amrutanjan Headache Non-Greasy Roll-On	₹65	https://www.1mg.com/otc/amrutanjan-headache-no...	Amrutanjan Headache Roll-On is a non-greasy on...

In [106]: `data.to_csv('data.csv')`

In []:

In []: