Question1: Suppose you wanted to buy a product online (eg. a mobile phone or Television). So for that you will check the e-commerce website from where you wanted to buy. As a responsible customer, you will be checking all the items available in different brand and specification, varying in cost. All those details you need to go through one by one for all the products to select the best one. It will take lost of your time and efforts. So now to ease your work, extract all the information from website and store that details in the tabular format or an excel file.  
(eg. Storing all the details of phone like brand name, specification and price in a table) So that it will be easy to analyze.

#!/usr/bin/env python

# coding: utf-8

import bs4, requests

import pandas as pd

from bs4 import BeautifulSoup

from urllib.request import urlopen

# In[115]:

webpage = "https://www.flipkart.com/search?q=phones&otracker=search&marketplace-FLIPKART&as-show-Don&as-off"

# In[116]:

fetch\_url =urlopen(webpage)

# In[118]:

page\_html = fetch\_url.read()

# In[117]:

soup = BeautifulSoup(page\_html,"html.parser")

# In[119]:

print(soup.prettify())

# In[120]:

phones= soup.findAll("div",{'class':'\_4rR01T'})

# In[121]:

phones

len(phones)

# In[122]:

phone\_list=[]

# In[123]:

for i in range(0,len(phones)):

phone\_list.append(phones[i].text.strip())

# In[124]:

phone\_list

# In[125]:

prices=soup.findAll('div',{'class':'\_30jeq3 \_1\_WHN1'})

# In[133]:

prices

# In[134]:

prices\_list=[]

# In[136]:

for i in range(0,len(prices)):

prices\_list.append(prices[i].text.strip())

# In[137]:

prices\_list

# In[141]:

print(len(prices\_list))

# In[142]:

print(len(phone\_list))

# In[145]:

for i in range(0,20):

print(prices\_list[i],'-',phone\_list[i])

# In[150]:

data=pd.DataFrame(list(zip(prices\_list,phone\_list)),columns=['Prices','Phone\_Name'])

# In[151]:

data

# In[152]:

file\_name='Price.xlsx'

data.to\_excel(file\_name)

**Output:**









