

Case Study

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Problem Statement :

Web Scrapping on Flipkart Website

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In [1]: import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
import warnings
warnings.filterwarnings('ignore')
%matplotlib inline

In [2]: from bs4 import BeautifulSoup as soup
from urllib.request import urlopen as uReq

In [3]: # Request from the webpage
myurl = "https://www.flipkart.com/search?q=iphones&otracker=search&otracker1=

uClient = uReq(myurl)
page_html = uClient.read()
uClient.close()

page_soup = soup(page_html, features="html.parser")

In [4]: # This variable held all html of webpage
containers = page_soup.find_all("div",{"class": "_2kHMtA"})
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In [8]: # Creating CSV File that will store all data
filename = "market.csv"
f = open(filename,"w")

headers = "Product_Name,Pricing,Ratings\n"
f.write(headers)

for container in containers:

    price_container = container.find_all("div", {"class": "_30jeq3 _1_WHN1"})
    print(price_container)
    price = price_container[0].text.strip()

    rating_container = container.find_all("div",{"class": "_3LWZ1K"})
    ratings = rating_container[0].text

    edit_price = ''.join(price.split(','))
    sym_rupee = edit_price.split("?")
    print(sym_rupee)
    add_rs_price = "Rs"+sym_rupee[0]
    split_price = add_rs_price.split("E")
    final_price = split_price[0]

    split_rating = str(ratings).split(" ")
    final_rating = split_rating[0]

    print(product_name.replace(",","|")+","+final_price+","+final_rating+"\n")

    f.write(product_name.replace(",","|")+","+final_price+","+final_rating+"")

f.close()
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[<div class="_30jeq3 _1_WHN1"> 41,990</div>]
[' 41990']
APPLE iPhone 13 (Pink| 128 GB),Rs 41990,4.6

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