

Code:

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##import required library

import bs4

from bs4 import BeautifulSoup

from selenium import webdriver

import pandas as ps

import csv

import time

#Make item list to pars as link to scrap the data

column_names = ["ASIN"]

df = ps.read_csv("C:/Users/swath/Desktop/asin.csv", names=column_names)

item_list = df.ASIN.to_list()

#Specify the browser.exe path

path="C:/Users/swath/Desktop/chromedriver.exe"

#set browser driver to variable

driver = webdriver.Chrome(path)

#set url fo the site to scrap

url = "https://www.amazon.com/dp/"

def scrap():

    #defining file with .csv

    file_N = 'placement_2021.csv'

    f=open(file_N,'w',newline=")

    placement = csv.writer(f)

    row_1st=['Item_info', 'Rate', 'Brand', 'T_rating', 'Price', 'Images']

    placement.writerow(row_1st)

    #Iterate item list

    for i in range(1,len(item_list)-19900):

        #making URL for ASIN code
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driver.get(url+ item_list[i])

#creating BeautifulSoup for HTML
soup = BeautifulSoup(driver.page_source, 'html.parser')

item=soup.find('div',class_ = 'centerColAlign centerColAlign-bbcxoverride')

#process valid and available product
if item:

    Item_info=item.div.h1.text

    Item_info=Item_info.replace('\n',"")

    rate=item.find_all('i')

    if rate:

        rate=rate[0].text[:3]

        Rate=float(rate)

    else:

        Rate='none'

    Brand=item.find('a', class_='a-link-normal').text[6:]

    T_rating = item.find('span', class_='a-size-base').text

    if 'ratings' in T_rating:

        T_rating,ra=T_rating.split()

    Price=item.find('span', class_='a-size-medium a-color-price priceBlockBuyingPriceString')

    if Price:

        Price=Price.text

    else:

        Price='none'

    images=item.find_all('img')

    if images:

        Images_link=[i['src'] for i in images]

    else:

        Images_link='none';

    cols=[Item_info, Rate, Brand, T_rating, Price, Images_link]

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placement.writerow(cols)
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f.close()
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```
scrap()
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