from selenium.webdriver.common.by import By In [31]: PATH="C:\Program Files\driver\chromedriver.exe" In [32]: driver=webdriver.Chrome(PATH) C:\Users\User\AppData\Local\Temp\ipykernel_1244\1985462931.py:1: DeprecationWarning: executable_path has been deprecated, please pass in a Service object driver=webdriver.Chrome(PATH) In [33]: from selenium import webdriver from selenium.webdriver.common.by import By # Initialize the WebDriver (replace 'chromedriver' with the path to your driver executable) driver = webdriver.Chrome('chromedriver') In [37]: all_pages = np.arange(1, 8) watch_name = [] for all_page in all_pages: driver.get("https://www.amazon.in/s?k=watches&page=2&crid=IRMBNUS64415&qid=1686885872&sprefix=watches%2Caps%2C649&ref=sr_pg_" + str(all_page) + ".html") all_products = driver.find_elements(By.XPATH, '//div[@class="a-section a-spacing-base a-text-center"]') for all_product in all_products: w_name = all_product.find_elements(By.XPATH, './/span[@class="a-size-base-plus a-color-base"]') for w_names in w_name: watch_name.append(w_names.text) In [38]: watch_name ['CRESTELLO', Out[38]: 'Fossil', 'LOUIS DEVIN', 'Fossil', 'boAt', 'TIMEWEAR', 'Sonata', 'LOUIS DEVIN', 'MARVIK', 'IMPERIOUS - THE ROYAL WAY', 'Fire-Boltt', 'Shocknshop', 'Fire-Boltt', 'SWADESI STUFF', 'Noise', 'V2A', 'Hammer', 'TIMEWEAR', 'Ben Stiller', 'boAt', 'TIMEX', 'NIBOSI' 'Fossil', 'Fossil', 'Acnos', 'Sonata', 'LOUIS DEVIN', 'Fire-Boltt', 'Fastrack', 'boAt', 'LORENZ', 'TAGG', 'TIMEX', 'Hammer' 'SELLORIA', 'beatXP', 'hamt', 'Fossil', 'Fire-Boltt', 'boAt', 'Audrey Brice', 'pTron', 'Acnos', 'Fire-Boltt', 'TIMEX', 'Fastrack', 'Titan', 'ADAMO', 'TIMEX', 'Mobivax', 'Shocknshop', 'BENYAR', 'Fastrack', 'Shocknshop', 'SENS', 'Matrix', 'REDUX', 'V2A', 'WRIGHTRACK', 'TIMEX', 'CRESTELLO', 'Fossil', 'LOUIS DEVIN', 'Fossil', 'boAt', 'TIMEWEAR', 'Sonata', 'LOUIS DEVIN', 'MARVIK', 'IMPERIOUS - THE ROYAL WAY', 'Fire-Boltt', 'Shocknshop', 'Fire-Boltt', 'SWADESI STUFF', 'Noise', 'V2A', 'Hammer', 'TIMEWEAR', 'Ben Stiller', 'boAt', 'TIMEX', 'NIBOSI', 'Fossil', 'Fossil', 'Acnos', 'Sonata', 'LOUIS DEVIN', 'Fire-Boltt', 'Fastrack', 'boAt', 'LORENZ', 'TAGG', 'TIMEX', 'Hammer', 'SELLORIA', 'beatXP', 'hamt', 'Fossil', 'Fire-Boltt', 'boAt', 'Audrey Brice', 'pTron', 'Acnos', 'Fire-Boltt', 'TIMEX', 'Fastrack', 'Titan', 'ADAMO'. 'TIMEX', 'Mobivax', 'Shocknshop', 'BENYAR', 'Fastrack', 'Shocknshop', 'SENS', 'Matrix', 'REDUX', 'V2A', 'WRIGHTRACK', 'TIMEX', 'CRESTELLO', 'Fossil', 'LOUIS DEVIN', 'Fossil', 'boAt', 'TIMEWEAR', 'Sonata', 'LOUIS DEVIN', 'MARVIK', 'IMPERIOUS - THE ROYAL WAY', 'Fire-Boltt', 'Shocknshop', 'Fire-Boltt', 'SWADESI STUFF', 'Noise', 'V2A', 'Hammer', 'TIMEWEAR', 'Ben Stiller', 'boAt', 'TIMEX', 'NIBOSI', 'Fossil', 'Fossil', 'Acnos', 'Sonata', 'LOUIS DEVIN', 'Fire-Boltt', 'Fastrack', 'boAt', 'LORENZ', 'TAGG', 'TIMEX', 'Hammer' 'SELLORIA', 'beatXP', 'hamt', 'Fossil', 'Fire-Boltt', 'boAt', 'Audrey Brice', 'pTron', 'Acnos', 'Fire-Boltt', 'TIMEX', 'Fastrack', 'Titan', 'ADAMO', 'TIMEX', 'Mobivax', 'Shocknshop', 'BENYAR', 'Fastrack', 'Shocknshop', 'SENS', 'Matrix', 'REDUX', 'V2A', 'V2A', 'WRIGHTRACK', 'CRESTELLO', 'Fossil', 'LOUIS DEVIN', 'Fossil', 'boAt', 'TIMEWEAR', 'Sonata', 'LOUIS DEVIN', 'MARVIK', 'IMPERIOUS - THE ROYAL WAY', 'Fire-Boltt', 'Shocknshop', 'Fire-Boltt', 'SWADESI STUFF', 'Noise', 'V2A', 'Hammer', 'TIMEWEAR', 'Ben Stiller', 'boAt', 'TIMEX', 'NIBOSI', 'Fossil', 'Fossil', 'Acnos', 'Sonata', 'LOUIS DEVIN', 'Fire-Boltt', 'Fastrack', 'boAt', 'LORENZ', 'TAGG', 'TIMEX', 'Hammer' 'SELLORIA', 'beatXP', 'hamt', 'Fossil', 'Fire-Boltt', 'boAt', 'Audrey Brice', 'pTron', 'Acnos', 'Fire-Boltt', 'TIMEX', 'Fastrack', 'Titan', 'ADAMO', 'TIMEX', 'Mobivax', 'Shocknshop', 'BENYAR', 'Fastrack', 'Shocknshop', 'SENS', 'Matrix', 'REDUX', 'V2A', 'WRIGHTRACK', 'TIMEX', 'CRESTELLO', 'Fossil', 'LOUIS DEVIN', 'Fossil', 'boAt', 'TIMEWEAR', 'Sonata', 'LOUIS DEVIN', 'MARVIK', 'IMPERIOUS - THE ROYAL WAY', 'Fire-Boltt', 'Shocknshop', 'Fire-Boltt', 'SWADESI STUFF', 'Noise', 'V2A', 'Hammer', 'TIMEWEAR', 'Ben Stiller', 'boAt', 'NIBOSI', 'Fossil', 'Fossil', 'LOUIS DEVIN', 'Acnos', 'Sonata', 'LOUIS DEVIN', 'Fire-Boltt', 'Fastrack', 'boAt', 'LORENZ', 'TAGG', 'TIMEX', 'Hammer', 'SELLORIA', 'beatXP', 'hamt', 'Fossil', 'Fire-Boltt', 'boAt', 'Audrey Brice', 'pTron', 'Acnos', 'Fire-Boltt', 'TIMEX', 'Fastrack', 'Titan', 'ADAMO', 'TIMEX', 'Mobivax', 'Shocknshop', 'BENYAR', 'Fastrack', 'Shocknshop', 'SENS', 'Matrix', 'REDUX', 'V2A', 'TIMEX', 'WRIGHTRACK', 'CRESTELLO', 'Fossil', 'LOUIS DEVIN', 'Fossil', 'boAt', 'TIMEWEAR', 'Sonata', 'LOUIS DEVIN', 'MARVIK', 'IMPERIOUS - THE ROYAL WAY', 'Fire-Boltt', 'Shocknshop', 'Fire-Boltt', 'SWADESI STUFF', 'Noise', 'V2A', 'Hammer', 'TIMEWEAR', 'Ben Stiller', 'boAt', 'TIMEX', 'NIBOSI', 'Fossil', 'Fossil', 'Acnos', 'Sonata', 'LOUIS DEVIN', 'Fire-Boltt', 'Fastrack', 'boAt', 'LORENZ', 'TAGG', 'TIMEX', 'Hammer', 'SELLORIA', 'beatXP', 'hamt', 'Fossil', 'Fire-Boltt', 'boAt', 'Audrey Brice', 'pTron', 'Acnos', 'Fire-Boltt', 'TIMEX', 'Fastrack', 'Titan', 'ADAMO', 'TIMEX', 'Mobivax', 'Shocknshop', 'BENYAR', 'Fastrack', 'Shocknshop', 'SENS', 'Matrix', 'REDUX', 'V2A', 'WRIGHTRACK', 'LONGBO', 'CRESTELLO', 'Fossil', 'LOUIS DEVIN', 'Fossil', 'boAt', 'TIMEWEAR', 'Sonata', 'LOUIS DEVIN', 'MARVIK', 'IMPERIOUS - THE ROYAL WAY', 'Fire-Boltt', 'Shocknshop', 'Fire-Boltt', 'SWADESI STUFF', 'Noise', 'V2A', 'Hammer', 'TIMEWEAR', 'Ben Stiller', 'boAt', 'TIMEX', 'NIBOSI', 'Fossil', 'Fossil', 'Acnos', 'Sonata', 'LOUIS DEVIN', 'Fire-Boltt', 'Fastrack', 'boAt', 'LORENZ', 'TAGG', 'TIMEX', 'Hammer', 'SELLORIA', 'beatXP', 'hamt', 'Fossil', 'Fire-Boltt', 'boAt', 'Audrey Brice', 'pTron', 'Acnos', 'Fire-Boltt', 'TIMEX', 'Fastrack', 'Titan', 'ADAMO', 'TIMEX', 'Mobivax', 'Shocknshop', 'BENYAR', 'Fastrack', 'Shocknshop', 'SENS', 'Matrix', 'REDUX', 'V2A', 'V2A', 'WRIGHTRACK'] In [40]: print('watch_name',len(watch_name)) watch_name 420 In [43]: Wat_D = [] for all_page in all_pages: driver.get("https://www.amazon.in/s?k=watches&page=2&crid=IRMBNUS64415&qid=1686885872&sprefix=watches%2Caps%2C649&ref=sr_pg_" + str(all_page) + ".html") # All items all_products = driver.find_elements(By.XPATH, '//div[@class="a-section a-spacing-base a-text-center"]') for all_product in all_products: # Watch Description wa_des = all_product.find_elements(By.XPATH, './/span[@class="a-size-base-plus a-color-base a-text-normal"]') for W_Des in wa_des: Wat_D.append(W_Des.text) In [44]: print('Wat_D',len(Wat_D)) Wat_D 420 In [54]: wat_p = [] for all_page in all_pages: driver.get("https://www.amazon.in/s?k=watches&page=2&crid=IRMBNUS64415&qid=1686885872&sprefix=watches%2Caps%2C649&ref=sr_pg_" + str(all_page) + ".html") # All items all_products = driver.find_elements(By.XPATH, '//div[@class="a-section a-spacing-base a-text-center"]') for all_product in all_products: try: if len(all_product.find_elements(By.XPATH, './/span[@class="a-price-whole"]'))>0: # Watch price w_price = all_product.find_elements(By.XPATH, './/span[@class="a-price-whole"]') for W_price in w_price: wat_p.append(W_price.text) else: wat_p.append('0') except: pass In [55]: print('wat_p',len(wat_p)) wat_p 420 In [60]: Wat_R = [] for all_page in all_pages: driver.get("https://www.amazon.in/s?k=watches&page=2&crid=IRMBNUS64415&qid=1686885872&sprefix=watches%2Caps%2C649&ref=sr_pg_" + str(all_page) + ".html") # All items all_products = driver.find_elements(By.XPATH, '//div[@class="a-section a-spacing-base a-text-center"]') for all_product in all_products: try: if len(all_product.find_elements(By.XPATH, './/span[@class="a-size-base s-underline-text"]'))>0: price = all_product.find_elements(By.XPATH, './/span[@class="a-size-base s-underline-text"]') for Price in price: Wat_R.append(Price.text) else: Wat_R.append('0') except: pass In [61]: print('Wat_R',len(Wat_R)) Wat_R 420 In [52]: print('all_products',len(all_products)) all_products 60 In []: In [62]: **import** pandas **as** pd data=pd.DataFrame({'watch_name':watch_name, 'Watch Description':Wat_D, 'Watch Price':wat_p, 'Total Rating':Wat_R}) In [63]: data Watch Description Watch Price Total Rating Out[63]: watch_name 0 CRESTELLO Black Plated Metal Chain Analog Wrist Watch fo... 3,347 5,595 5 Chronograph White Dial Men's Watch-CH2882 349 Fossil Stainless Steel Chain Analog Wrist Watch for M... 2 LOUIS DEVIN 1,499 205 3 Fossil Tillie Analog White Dial Women's Watch-BQ3497 7,145 332 4 boAt Analog Men's Watch (Dial Colored Strap) 355 322 415 Matrix Trendies Analog Black Dial Men's Watch-NL38048... 275 900 REDUX 416 Analog Blue-Grey Dial Men's Watch 245 2,309 417 Boys and Girls Kids Watch - Waterproof Watch, ... 799 705 V2A 418 Black Dial Digital Sports Watch 5ATM Waterproo... 395 3,027 **419** WRIGHTRACK Analogue Men's Watch (White Dial Brown Colored... 1,999 733 420 rows × 4 columns In [64]: data.to_csv('watch.csv',index=True)

In [30]: **import** selenium

from selenium import webdriver