

selenium-2

June 15, 2023

```
[87]: import selenium
      from selenium import webdriver
      from selenium.webdriver.common.by import By
      from selenium.webdriver.common.keys import Keys
```

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[88]: PATH="C:\Program Files\driver\chromedriver.exe"
```

```
[89]: driver=webdriver.Chrome(PATH)
```

```
C:\Users\User\AppData\Local\Temp\ipykernel_13800\1985462931.py:1:
DeprecationWarning: executable_path has been deprecated, please pass in a
Service object
    driver=webdriver.Chrome(PATH)
```

```
[91]: driver.get("http://www.amazon.in")
```

```
[92]: search_box=driver.find_element(By.ID,"twotabsearchtextbox")
      search_box.clear()
      search_box.send_keys('Dell laptops')
      driver.find_element(By.ID,"nav-search-submit-button").click()
      driver.find_element(By.XPATH,"//span[text()='Dell']").click()
```

```
[93]: lap_names=[]
      lap_prices=[]
      lap_review=[]
      review_count=[]
      mrp=[]

      # all items
      all_products=driver.find_elements(By.XPATH,"//
      ↪div[@data-component-type="s-search-result"]')

      for all_product in all_products:

          # name
```

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names = all_product.find_elements(By.XPATH, ".//
↳span[@class='a-size-medium a-color-base a-text-normal']")
for name in names:
    lap_names.append(name.text)

# price
prices = all_product.find_elements(By.XPATH, ".//
↳span[@class='a-price-whole']")
for price in prices:
    lap_prices.append(price.text)

try:
    if len(all_product.find_elements(By.XPATH, ".//
↳span[@class='a-size-base s-underline-text']"))>0:
        # review
        reviews = all_product.find_elements(By.XPATH, ".//
↳span[@class='a-size-base s-underline-text']")
        for review in reviews:
            lap_review.append(review.text)

    else:
        lap_review.append('0')
except:
    pass

try:
    if len(all_product.find_elements(By.XPATH, ".//
↳span[@class='a-icon-alt']"))>0:
        # Most review
        review_c=all_product.find_elements(By.XPATH, ".//
↳span[@class='a-icon-alt']")
        for review_cs in review_c:
            review_count.append(review_cs.text)

    else:
        review_count.append('0')

except:
    pass

#MRP
mrps=all_product.find_elements(By.XPATH, ".//span[@class='a-price_
↳a-text-price']")
for MRP in mrps:
    mrp.append(MRP.text)

```

```
[94]: print('names',len(lap_names))
      print('price',len(lap_prices))
      print('review',len(lap_review))
      print('review_c',len(review_count))
      print('mrp',len(mrp))
      print('all_products',len(all_products))
```

```
names 24
price 24
review 24
review_c 24
mrp 24
all_products 24
```

```
[97]: import pandas as pd
      data=pd.DataFrame({'Laptop_Names':lap_names,'Laptop_price':
      ↳lap_prices,'Lap_Total_review_count':lap_review,'MRP':mrp})
```

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[98]: data
```

```
[98]:
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	Lap_Total_review_count	MRP	Laptop_Names	Laptop_price
0	Dell Vostro 3420 Laptop, Intel Core i5-1135G7,...	54,490		
14	75,758			
1	Dell Inspiron 3511 Laptop, Intel i3-1115G4, 8G...	38,990		
62	55,047			
2	Dell Vostro 3510 Laptop, Intel Core i5-1135G7/...	51,489		
26	69,210			
3	Dell Vostro 14-inch Laptop (35.56 cms) Windo...	39,490		
137	52,982			
4	Dell Vostro 3420 Laptop,12th Gen Intel Core i3...	41,490		
113	61,817			
5	Dell Inspiron 3520 Laptop,12th Gen Intel Core ...	60,900		
55	75,900			
6	Dell Inspiron 3520 Metal Laptop, Intel i5-1235...	65,950		
5	92,524			
7	Dell Inspiron 7420 2in1 Laptop,12th Gen Intel ...	53,490		
153	71,740			
8	Dell Vostro 3420 Laptop, Intel Core i5-1135G7,...	49,490		
7	69,211			
9	Dell Inspiron 3520 Laptop,12th Gen Intel Core ...	58,490		
44	80,472			
10	Dell Vostro 3510 Laptop, Intel Core i5-1135G7/...	52,490		
5	70,545			
11	Dell Vostro 3425 Laptop, AMD R3-5425U, 8GB DDR...	36,490		
11	50,837			
12	Dell Inspiron 3511 Laptop, Intel Core i5-1135G...	50,962		

41	69,226	
13	Dell Vostro 3420 Laptop, Intel Core i3-1115G4,...	36,490
31	49,678	
14	Dell Vostro 3420 Laptop,12th Gen Intel Core i5...	54,490
26	83,100	
15	Dell Vostro 3420 Metal Laptop, Intel Core i5-1...	65,490
225	89,140	
16	Dell New 14" Latitude 3420- i3 11th Gen 8 GB...	33,990
6	48,444	
17	Dell G15 5520 Gaming Laptop,Intel i5-12500H,16...	76,990
22	1,01,749	
18	Dell New G15-5515 Gaming Laptop, AMD Ryzen5-56...	69,500
55	1,02,522	
19	Dell Inspiron 5630 Laptop, Intel Core i5-1340P...	75,763
0	94,858	
20	Dell Inspiron 7420 2in1 Laptop,12th Gen Intel ...	76,490
12	98,252	
21	Dell G15-5520 Gaming Laptop, Intel i9-12900H, ...	1,38,990
17	1,90,051	
22	Dell G15 5520 Windows 11 Gaming Laptop, Intel ...	94,990
15	1,38,468	
23	Dell XPS 9315 2in1 Laptop, i7-1250U, 16GB LP D...	1,60,621
1	2,14,265	

```
[99]: data.to_csv('selenium.csv',index=True)
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[ ]:
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