

selenium-all-3

June 17, 2023

```
[30]: import selenium
      from selenium import webdriver
      from selenium.webdriver.common.by import By
```

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

```
[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)
```

```
[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')
```

```
[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 items
          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)
```

```
[38]: watch_name
```

```
[38]: ['CRESTELLO',
      'Fossil',
      'LOUIS DEVIN',
      'Fossil',
      'boAt',
      'TIMEWEAR',
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'WRIGHTRACK']
```

```
[40]: print('watch_name', len(watch_name))
```

watch_name 420

```
[43]: Wat_D = []

for all_page in all_pages:
    driver.get("https://www.amazon.in/s?
    ↪k=watches&page=2&crd=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)

[44]: print('Wat_D', len(Wat_D))
```

Wat_D 420

```
[54]: wat_p = []

for all_page in all_pages:
    driver.get("https://www.amazon.in/s?
    ↪k=watches&page=2&crd=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
```

```
[55]: print('wat_p',len(wat_p))
```

wat_p 420

```
[60]: Wat_R = []
```

```
for all_page in all_pages:
    driver.get("https://www.amazon.in/s?
↳k=watches&page=2&crd=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:
                # Rating
                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
```

```
[61]: print('Wat_R',len(Wat_R))
```

Wat_R 420

```
[52]: print('all_products',len(all_products))
```

all_products 60

```
[ ]:
```

```
[62]: import pandas as pd
data=pd.DataFrame({'watch_name':watch_name,'Watch Description':Wat_D,'Watch_
↳Price':wat_p,'Total Rating':Wat_R})
```

```
[63]: data
```

```
[63]:      watch_name      Watch Description \
0      CRESTELLO  Black Plated Metal Chain Analog Wrist Watch fo...
1      Fossil      Chronograph White Dial Men's Watch-CH2882
2      LOUIS DEVIN  Stainless Steel Chain Analog Wrist Watch for M...
3      Fossil      Tillie Analog White Dial Women's Watch-BQ3497
4      boAt        Analog Men's Watch (Dial Colored Strap)
..      ...
415     Matrix     Trendies Analog Black Dial Men's Watch-NL38048...
416     REDUX      Analog Blue-Grey Dial Men's Watch
417     V2A        Boys and Girls Kids Watch - Waterproof Watch, ...
418     V2A        Black Dial Digital Sports Watch 5ATM Waterproo...
419    WRIGHTRACK  Analogue Men's Watch (White Dial Brown Colored...
```

	Watch Price	Total Rating
0	5,595	3,347
1	349	5
2	1,499	205
3	7,145	332
4	355	322
..
415	275	900
416	245	2,309
417	799	705
418	395	3,027
419	1,999	733

```
[420 rows x 4 columns]
```

```
[64]: data.to_csv('watch.csv',index=True)
```

```
[ ]:
```