

```
In [3]: from selenium.webdriver webdriver
import os
import time
from selenium.webdriver.common.keys import Keys
import pandas as pd

In [2]: ruta = os.getcwd()
print(ruta)

C:\Users\Nico

In [3]: driver = webdriver.Chrome('C:\webdrivers\chromedriver')
driver.get('https://www.ebay.com/')

<ipython-input-3-33e4dfaccfd>:1: DeprecationWarning: executable_path has been deprecated, please pass in a Service object
  driver = webdriver.Chrome('C:\webdrivers\chromedriver')

In [4]: ar = "televisor"
articulo = driver.find_element_by_xpath('//*[@placeholder="Buscar articulos"]')
articulo.send_keys(ar)

enviar = driver.find_element_by_xpath('//*[@value="Buscar"]')
enviar.click()
time.sleep(2)

<ipython-input-4-f15196fd91fb>:2: DeprecationWarning: find_element_by_xpath is deprecated. Please use find_element(by=By.XPATH, value=xpath) instead
articulo = driver.find_element_by_xpath('//*[@placeholder="Buscar articulos"]')
<ipython-input-4-f15196fd91fb>:5: DeprecationWarning: find_element_by_xpath is deprecated. Please use find_element(by=By.XPATH, value=xpath) instead
enviar = driver.find_element_by_xpath('//*[@value="Buscar"]')

In [8]: nombres = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li/h3[@class="s-item__title"]')
nombres = [i.text for i in nombres]

<ipython-input-8-e5572b9cfd4>:1: DeprecationWarning: find_elements_by_xpath is deprecated. Please use find_elements(by=By.XPATH, value=xpath) instead
nombres = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li/h3[@class="s-item__title"]')

In [9]: nombres

Out[9]: ['TCL clase 32" 720P HD LED Roku Smart Tv 3 Series 32S331',
'smart tv 32 pollici Philips 6800',
'Hisense 50AE7000F, Smart TV LED Ultra HD 4K 50", HDR 10+, Dolby DTS, con Alexa',
'Hisense 55AE7000F - Smart TV LED Ultra HD 4K, HDR 10+, Dolby DTS, con Alexa',
'Ferguson TV',
'ANUNCIO NUEVOSamsung TU7000 43" 4K Led Smart Tv-Titan Gris',
'ANUNCIO NUEVOSamsung QN32Q60AAFXA 32" clase Q60A qled 4K Smart TV (2021)',
'Changhong TV 32"',
'JVC LT43MAW595 43 pulgadas 2160p 4k Ultra HD Roku SMART LED TV-Negro',
'JTC 21,5" 55cm LED Full HD TV camping TV con 12v dvb-t2, - s2, - c USB Eek a',
"TV Samsung UHD 4K 49" Curved modello ue49NU7500 ,con leggero difetto",
'Smart Lg 32LQ63006LA 32" Full HD LED TV HDR',
'SMART TECH TV LED 32" Led HD 16:9 DVB-S2, DVB-T2 3 HDMI 2 USB Hotel TELEVISORE',
'JVC LT-32C3210 32" Smart HD Ready TV LED HDR',
'JVC LT-50CF890 Fire Tv Edition 50" Smart 4K Ultra Hd Hdr LED TV con Amazon Alex',
'JVC LT-50CA890 Android TV 50" Smart 4K Ultra Hd Hdr LED TV con el asistente de Google',
'Qantec 55" Smart Tv Con Android Tv Full Hd Ultra CON FREEVIEW HD-Qt 5523 dleds',
'TV 40 pollici SELECO LED HD WIFI SMART Android TV Bluetooth NETFLIX DAZN DVB-T2',
'SHARP SMART TV 50 Pollici Wide UHD LED 4K Wi-Fi 2021 T2 HARMAN KARDON 127 CM',
'Hisense 50AE7000F Smart TV LED Ultra HD 4K 50" HDR 10+ Dolby DTS con Alexa',
'ANUNCIO NUEVOSony XR50X90J 50" BRAVIA XR Completo Conjunto LED 4K Ultra Hd Smart TV con Dolby Vision',
'JVC LT-32C3210 32" Smart Wi-Fi Led TV Hd Ready TDT HDMI USB Prime Alexa',
'Smart TV Hitachi 39HE2200 39" LED HD Wifi',
'Samsung UE43NU7092 49" ULTRA HD SMART TV',
'SMART TV XIAOMI MI LED TV 4A 32" HD LED WIFI',
'Sling Tv Naranja y Azul 6 meses Ultra HD 4K SAMSUNG LG Smart qled',
'Tcl P725 50" 4K LED UHD Android TV [2021]',
'LG 70UP7070PUE 70" 4K UHD Smart TV con Ask acerca de la garantía.',
'JVC LT-55CF890 55" Amazon Fire TV LED 4K-Negro',
'Samsung UE32T4300AKXXU 32" Smart HD Ready TV LED HDR',
'Logik L24HE21 24" HD Ready TV LED',
'JVC LT-43CF890 Fire TV 43" Smart 4K Ultra Hd Hdr LED TV con Amazon Alexa',
'CHIQ L40G4500 40 pulgadas FHD 1080p LED TV, 100 cm, HDMI, USB, Dolby Audio',
'LG 43UP7690 Smart TV LED 4K Ultra HD 43" con Processore Quad Core',
'Insignia 70 Pulgadas Clase 4K UHD Smart LED F30 Series Fire TV (NS-70DF710NA21)',
'LG 50UP75006LF 50" Smart 4K Ultra HD TV Smart asistente TDT jugar AI Sonido',
'JTC 24,5" 62cm LED Full HD TV camping TV con DVD, 12v, dvb-t2, - s2, - c USB',
'Samsung el marco QE32LS03TCUXXU 32" Smart Full Hd Hdr qled TV',
'Tv Led 24',
'JVC LT-40CA790 Android TV 40" Smart Full HD LED TV con el asistente de Google',
'JVC LT-39C3210 39" Smart Wifi Led Tv HDR10 HD Ready TDT HDMI Prime Alexa',
'Reemplazo de control remoto Samsung AA59-00582A Smart Tv Lcd Led Plasma Nuevo',
'KB elements televisor LED TV 24" pulgadas Full HD dvb-t2/s2 camping/caravanas',
'Tcl 55RP620K 4K Ultra Hd SMART LED TV HDR',
'JVC 43" clase 4K UHD 2160p LED rokumart TV LT-43MAW595',
'JVC 32" LED TV con reproductor de DVD/1366 X 768 resolución de pantalla',
'Qantec 50" Smart Tv Con Android Tv Full Hd Ultra CON FREEVIEW HD-Qt 5023 dleds',
'TV Pantalla Plana LG 43',
'KB elements televisor LED Android Smart TV 32" pulgadas Full HD dvb-t2/s2 2x Remote',
'Blaupunkt 42" Android TV 9.0 Full HD LED de voz HDMI 1080p Smart Tv Aus',
'Samsung 60" clase 4K Cristal + (2160) LED Smart TV con HDR',
'LG 43UP75006LF 43" 4K ULTRA HD SMART LED TV Wi-Fi Negro',
'VIZIO 50" Clase V - 4K + LED Smartcast Smart Series TV V505-J09 (modelo más reciente)',
'LG 55UP77006LB 55" 4K + Smart TV (RRP £ 699.98) + £ 30 giratoria de montaje de pared',
'Pioneer - 43" Tv Clase LED 4K + Smart Fire pn 43951-22U 2160P!!!!',
'TCL 32" Clase HD LED Android Smart TV 3 - - 32S21 totalmente nuevo Libre Series Envio',
'Sony Bravia KD32W800PU 32" Smart HD Ready TV LED HDR asistente de Google-Sellado',
'Insignia 40" TV NS-40D510NA21 - 40" - Led Full Hd 1080 P Excelente',
'Logik L43AFE20 Android TV 43" Smart Full HD LED TV con el asistente de Google',
'JVC LT-40C590 40" Full HD 1080p LED TV-Negro']

In [10]: len(nombres)

Out[10]: 60

In [11]: precios = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li//div[@class="s-item__info clearfix"]//div[@class="s-item__details clearfix"]/div[1]/span')
precios = [i.text for i in precios]

<ipython-input-11-ba10cf4eb91f>:1: DeprecationWarning: find_elements_by_xpath is deprecated. Please use find_elements(by=By.XPATH, value=xpath) instead
precios = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li//div[@class="s-item__info clearfix"]//div[@class="s-item__details clearfix"]/div[1]/span')

In [12]: print(precios)

['USD214.99', 'USD220.85', 'USD451.16', 'USD493.22', 'USD43.54', 'USD176.00', 'USD429.00', 'USD94.65', 'USD250.50', 'USD152.44', 'USD107.27', 'USD261.22', 'USD146.07', 'USD174.14', 'USD298.54', 'USD310.98', 'USD360.73', 'USD240.72', 'USD304.87', 'USD368.08', 'USD429.00', 'USD186.56', 'USD230.31', 'USD273.67', 'USD221.90', 'USD12.50', 'USD420.99', 'USD699.00', 'USD348.29', 'USD199.02', 'USD111.94', 'USD267.44', 'USD219.79', 'USD334.42', 'USD489.00', 'USD373.17', 'USD184.03', 'USD348.29', 'USD47.22', 'USD236.34', 'USD223.87', 'USD7.45', 'USD156.70', 'USD342.07', 'USD239.99', 'USD275.94', 'USD335.87', 'USD155.00', 'USD198.76', 'USD266.75', 'USD579.99', 'USD329.63', 'USD358.00', 'USD485.12', 'USD275.00', 'USD149.99', 'USD323.43', 'USD195.00', 'USD236.34', 'USD217.68']

In [18]: urls = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li//div[@class="s-item__info clearfix"]/a[@class="s-item__link"]')
urls = [i.get_attribute('href') for i in urls]

<ipython-input-18-2c259f1e028b>:1: DeprecationWarning: find_elements_by_xpath is deprecated. Please use find_elements(by=By.XPATH, value=xpath) instead
urls = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li//div[@class="s-item__info clearfix"]/a[@class="s-item__link"]')

In [22]: len(urls)

Out[22]: 60

In [23]: urls[0]

Out[23]: 'https://www.ebay.com/itm/403626760285?hash=item5dfa07985d:g:P8IAA0Sw1AZiaV-5'

In [25]: lista_nombres = []
lista_precios = []
lista_urls = []

In [26]: for i in range(4):
#Obtener todos los nombres
nombres = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li/h3[@class="s-item__title"]')
nombres = [i.text for i in nombres]
#Obtener todos los precios
precios = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li//div[@class="s-item__info clearfix"]//div[@class="s-item__details clearfix"]/div[1]/span')
precios = [i.text for i in precios]
#Obtener todas las urls
urls = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li//div[@class="s-item__info clearfix"]/a[@class="s-item__link"]')
urls = [i.get_attribute('href') for i in urls]

lista_nombres.extend(nombres)
lista_precios.extend(precios)
lista_urls.extend(urls)
try:
siguiente = driver.find_element_by_xpath('//*[@@class="pagination__next icon-link"]')
siguiente.click()
except:
break

<ipython-input-26-5c370e81d07c>:3: DeprecationWarning: find_elements_by_xpath is deprecated. Please use find_elements(by=By.XPATH, value=xpath) instead
nombres = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li/h3[@class="s-item__title"]')
<ipython-input-26-5c370e81d07c>:6: DeprecationWarning: find_elements_by_xpath is deprecated. Please use find_elements(by=By.XPATH, value=xpath) instead
precios = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li//div[@class="s-item__info clearfix"]//div[@class="s-item__details clearfix"]/div[1]/span')
<ipython-input-26-5c370e81d07c>:9: DeprecationWarning: find_elements_by_xpath is deprecated. Please use find_elements(by=By.XPATH, value=xpath) instead
urls = driver.find_elements_by_xpath('//*[@@class="srp-results srp-list clearfix"]/li//div[@class="s-item__info clearfix"]/a[@class="s-item__link"]')
<ipython-input-26-5c370e81d07c>:17: DeprecationWarning: find_element_by_xpath is deprecated. Please use find_element(by=By.XPATH, value=xpath) instead
siguiente = driver.find_element_by_xpath('//*[@@class="pagination__next icon-link"]')

In [30]: print(len(lista_nombres))
print(len(lista_precios))
print(len(lista_urls))

240
240
240

In [32]: df = pd.DataFrame({'Nombres': lista_nombres, "Precios": lista_precios, "Url": lista_urls})

In [33]: df

Out[33]:
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	Nombres	Precios	Url
0	TCL clase 32" 720P HD LED Roku Smart Tv 3 Seri...	USD214.99	https://www.ebay.com/itm/403626760285?hash=ite...
1	smart tv 32 pollici Philips 6800	USD220.85	https://www.ebay.com/itm/115360271885?hash=ite...
2	Hisense 50AE7000F, Smart TV LED Ultra HD 4K 50...	USD451.16	https://www.ebay.com/itm/165426924570?hash=ite...
3	Hisense 55AE7000F - Smart TV LED Ultra HD 4K, ...	USD493.22	https://www.ebay.com/itm/165426928033?hash=ite...
4	Ferguson TV	USD43.54	https://www.ebay.com/itm/374041636210?hash=ite...
...	...	...	...
235	10.1" HD reproductor multimedia de TV digital ...	USD68.42	https://www.ebay.com/itm/165448034094?hash=ite...
236	Philips 32PHT5505 32" HD Ready TDT HD LED TV-a...	USD186.59	https://www.ebay.com/itm/144509477483?hash=ite...
237	Xiaomi MI 4S TV 43" Smart HD LED-TV 4K Ultra T...	USD313.39	https://www.ebay.com/itm/284337809753?epid=280...
238	Sharp 24" pulgadas 720p HD Ready TV LED CON FR...	USD155.48	https://www.ebay.com/itm/1252674414467_trkparm...
239	Chelo de 24" Pulgadas HD Ready TV SMART LED An...	USD247.55	https://www.ebay.com/itm/403593460267?epid=804...

240 rows × 3 columns

```
In [34]: df.to_csv('ebay_scraper.csv')
```

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In [ ]:
```