```
#RUNNING ON LBROWSERSTACK----------------------------------------------------------------------------------------


import json
import time
from typing import KeysView
from selenium import webdriver
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
from selenium.webdriver.common.by import By
from selenium.common.exceptions import NoSuchElementException
from selenium.webdriver.chrome.options import Options as ChromeOptions
from selenium.webdriver.common.action_chains import ActionChains
from selenium.webdriver.common.keys import Keys


options = ChromeOptions()
# options.set_capability('BStack Sample Test')
driver = webdriver.Chrome(options=options)

try:
    driver.get("https://www.flipkart.com/")
    # driver.maximize_window()

    # Search for the product
    time.sleep(2)
    search_box = driver.find_element(By.NAME, "q")
    search_box.send_keys("Samsung Galaxy S10")
    search_box.send_keys(Keys.RETURN)

    # Click on "Mobiles" in categories
    time.sleep(5)
    WebDriverWait(driver, 10).until(EC.visibility_of_element_located(
        (By.XPATH, '//a[@class="_1jJQdf _2Mji8F"]'))).click()

    time.sleep(3)
    # Click on "samsung"
    WebDriverWait(driver, 10).until(EC.visibility_of_element_located(
        (By.XPATH, '//div[text()="SAMSUNG"]'))).click()

    #Click on assured
    time.sleep(3)
    WebDriverWait(driver, 10).until(EC.visibility_of_element_located(
        (By.XPATH,'//div[@class="_3U-Vxu"]'))).click()

    # high ---> low
    time.sleep(3)
    WebDriverWait(driver, 10).until(EC.visibility_of_element_located(
        (By.XPATH,"//div[text()='Price -- High to Low']"))).click()

    driver.execute_script(
          'browserstack_executor: {"action": "setSessionStatus", "arguments": {"status":"passed", "reason": "All Work is D
          )

    time.sleep(5)
    #data of each product on page 1
    product_names = driver.find_elements(By.CLASS_NAME, "_4rR01T")
    display_prices = driver.find_elements(By.CLASS_NAME, "_30jeq3")
    product_links = driver.find_elements(By.CLASS_NAME, "_1fQZEK")
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    # Create and print the list
    results_list = []
    for i in range(len(product_names)):
        results_list.append({
            "Product Name": product_names[i].text,
            "Display Price": display_prices[i].text,
            "Link to Product Details Page": product_links[i].get_attribute("href")
        })

    print(results_list)

finally:
    # Stop the driver
    driver.quit()




#RUNNING ON LOCAL COMPUTER CODE----------------------------------------------------------------------

from selenium import webdriver
from selenium.webdriver.common.keys import Keys
from selenium.webdriver.common.by import By
from selenium.webdriver.common.action_chains import ActionChains
from browserstack.local import Local
from selenium.webdriver.common.desired_capabilities import DesiredCapabilities
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
import time

# Set your BrowserStack credentials
USERNAME = "pratik_8AzaZl"
ACCESS_KEY = "Qw3jGitr793nop2yQYVN"

# Set your BrowserStack Automate capabilities
capabilities = {
    "browserstack.user": "pratik_8AzaZl",
    "browserstack.key": "Qw3jGitr793nop2yQYVN",
    "browserstack.local": "true",
    "browserstack.debug": "true",
    "os": "Windows",
    "os_version": "10",
    "browser": "Chrome",
    "browser_version": "latest",
    "name": "Test_Name",  # You can customize the test name
}

# Start the BrowserStack Local binary
bs_local = Local()
bs_local_args = {"key": ACCESS_KEY, "forcelocal": "true"}
bs_local.start(**bs_local_args)

# Function to create a WebDriver instance with BrowserStack capabilities
def get_browserstack_driver():
    driver = webdriver.Remote(
        command_executor="https://hub-cloud.browserstack.com/wd/hub",
        desired_capabilities=capabilities,
    )
    return driver
```

```
# Function to perform the required tasks on flipkart.com
def run_test(driver):
    driver.get("https://www.flipkart.com/")
    driver.maximize_window()

    # Search for the product
    search_box = driver.find_element(By.NAME, "q")
    search_box.send_keys("Samsung Galaxy S10")
    search_box.send_keys(Keys.RETURN)

    # Click on "Mobiles" in categories
    mobiles_category = driver.find_element(By.LINK_TEXT, "Mobiles")
    mobiles_category.click()

    #clicking on samsung
    time.sleep(2)
    brand = driver.find_element(by=By.CLASS_NAME,value="_3879cV")
    time.sleep(2)
    brand.click()

    #clicking on assured
    flipkart_assured_filter = driver.find_element(by=By.CLASS_NAME,value="_3U-Vxu")
    time.sleep(2)
    flipkart_assured_filter.click()

    # high ---> low
    price_high_to_low_option = driver.find_element(by=By.XPATH, value="//div[text()='Price -- High to Low']")
    time.sleep(2)
    price_high_to_low_option.click()
    time.sleep(6)

    #data of each product on page 1
    product_names = driver.find_elements(By.CLASS_NAME, "_4rR01T")
    display_prices = driver.find_elements(By.CLASS_NAME, "_30jeq3")
    product_links = driver.find_elements(By.CLASS_NAME, "_1fQZEK")

    # Create and print the list
    results_list = []
    for i in range(len(product_names)):
        results_list.append({
            "Product Name": product_names[i].text,
            "Display Price": display_prices[i].text,
            "Link to Product Details Page": product_links[i].get_attribute("href")
        })

    for result in results_list:
        print(result)
    driver.quit()


# Run the test on BrowserStack in parallel
try:
    for i in range(1):  # Number of parallels
        driver = webdriver.Chrome()
        run_test(driver)
except Exception as e:
    print(f"Error: {e}")
finally:
    # Stop the BrowserStack Local binary
```

```
    bs_local.stop()



#browserstack.yml------------------------------------------------------------------------------------

userName: pratikkithani_0phDEZ
accessKey: QPJBm47fb9LG3z7GpHGG
platforms:
  - os: OS X
    osVersion: Sonoma
    browserName: Firefox
    browserVersion: 122.0
  - os: Windows
    osVersion: 10
    browserName: Chrome
    browserVersion: 121.0
  - os: Windows
    osVersion: 11
    browserName: Chrome
    browserVersion: 122.0
  - os: Windows
    osVersion: 11
    browserName: Edge
    browserVersion: 121.0
  - os: OS X
    osVersion: Monterey
    browserName: Safari
    browserVersion: 15.6
browserstackLocal: true
buildName: browserstack-build-1
projectName: BrowserStack Sample
debug: true
networkLogs: true
consoleLogs: info
```