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from selenium import webdriver                                #It sends python commands to
the browser
from selenium.webdriver.common.keys import Keys              #It let sb to add inputs
import time
from random import *
from pyautogui import *

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class Twitterbot:

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    def __init__(self, username, password):

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        self.username = username
        self.password = password
        self.bot = webdriver.Chrome()

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    def login (self):

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        bot = self.bot
        bot.get ("https://twitter.com/login")
        time.sleep (10)
        email = bot.find_element_by_name ("session[username_or_email]")
        password = bot.find_element_by_name ("session[password]")
        email.clear()
        password.clear()
        time.sleep (randrange (3,5))
        email.send_keys (self.username)
        password.send_keys (self.password)
        password.send_keys (Keys.RETURN)
        time.sleep (randrange(3,5))

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    def like_tweet (self, hashtag):

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        bot = self.bot
        bot.get("https://twitter.com/search?q="+hashtag+"&src=typeahead_click")
        time.sleep(randrange(7,10))
        for i in range (0,100):
            bot.execute_script("window.scrollTo(0,document.body.scrollHeight)")
            time.sleep(randrange(5,11))
            bot.execute_script ("window.scrollTo(0,document.body.scrollHeight)")
            time.sleep(randrange (5,11))
            bot.execute_script( "window.scrollTo(0,document.body.scrollHeight)")
            time.sleep(randrange(5,11))
            links = [elem.get_attribute("href") for elem in
bot.find_elements_by_xpath("//a[@dir='auto']")]
            filteredLinks = list(filter (lambda x: 'status' in x, links))
            print (filteredLinks)
            time.sleep (randrange(15,30))

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        for link in filteredLinks:

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            bot.get(link)
            time.sleep(randrange(15,20))
            print (link)
            try:

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        bot.find_element_by_xpath(
            "//div[@data-testid='like']").click()
        time.sleep(randrange(10,20))
    except Exception as ex:
        time.sleep(randrange(10,20))

    time.sleep(randrange(15,30))

ed = Twitterbot ('Username', Password')
ed.login()
ed.like_tweet("ODS")
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