Selenium (Python) Cheatsheet (Table Format) with Examples:

Category	Command/Function	Description	Example
Initialization	from selenium import webdriver	Imports the Selenium library.	from selenium import webdriver
	driver = webdriver.Chrome(executable_path="path/to/chromedriver")	Initializes the WebDriver with ChromeDriver path.	driver = webdriver.Chrome(executable_path="C:\chromedriver.exe") (Replace with your path)
Finding Elements	find_element(By.ID, "element_id")	Finds an element by its ID.	search_box = driver.find_element(By.ID, "q") (Assuming element ID is "q")
	find_element(By.NAME, "element_name")	Finds an element by its name attribute.	search_button = driver.find_element(By.NAME, "btnK") (Assuming element name is "btnK")
	find_element(By.CLASS_NAME, "element_class")	Finds an element by its class name.	# Might not be unique, use with caution
	find_element(By.XPATH, "xpath_expression")	Finds an element using an XPath expression.	advanced_element = driver.find_element(By.XPATH, "//*[@id='content']/di

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			v[2]/a[1]")
	find_element(By.LINK_TEXT, "link_text")	Finds an element by its link text.	about_link = driver.find_element(By.LINK_TEXT, "About")
Interactions	send_keys("text")	Enters text into an element.	search_box.send_keys("Selenium Python")
	click()	Clicks on an element.	search_button.click()
	clear()	Clears the text content of an element.	search_box.clear()
Retrieving Information	current_url	Gets the current URL of the page.	current_url = driver.current_url
	title	Gets the title of the page.	page_title = driver.title
	text	Gets the text content of an element.	element_text = element.text
Navigation	get("url")	Opens a webpage at the specified URL.	driver.get("https://www.google.com/")

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	back()	Navigates back in the browser history.	driver.back()
	forward()	Navigates forward in the browser history.	driver.forward()
Waiting	from selenium.webdriver.support.ui import WebDriverWait	Imports the WebDriverWait class.	from selenium.webdriver.support.ui import WebDriverWait
	from selenium.webdriver.support import expected_conditions as EC	Imports the expected_conditions class.	from selenium.webdriver.support import expected_conditions as EC
	wait = WebDriverWait(driver, 10)	Creates a WebDriverWait object with a timeout (in seconds).	wait = WebDriverWait(driver, 10)
	element = wait.until(EC.presence_of_element_located((By.ID, "your_element_id")))	Waits for an element to be visible.	login_button = wait.until(EC.presence_of_element_located((By.ID, "login_btn")))
Window Management	maximize_window()	Maximizes the browser window.	driver.maximize_window()
Others	quit()	Closes the browser window and quits	driver.quit()

Category	Command/Function	Description	Example
		WebDriver (recommended).	
	close()	Closes the current browser window.	driver.close()

Tips:

- Use descriptive variable names for elements.
- Refer to the official Selenium documentation for detailed information and advanced features: https://www.selenium.dev/documentation/
- **Remember:** Replace placeholders like "path/to/chromedriver" and "element_id" with your actual values.

Note: This table provides examples for basic usage. Explore the documentation for more functionalities and advanced scenarios.