

---

## Keys

---

- Selenium provides a class called Keys to perform the keyboard actions.
- All the pressable keys are stored in the Unicode PUA (Private Use Area) code points.
- All the keys are stored in Keys as a constants.
- These keys will be used as an argument for send\_keys method.
- Following are the pressable keys.

Enum Constant
ADD
ALT
ARROW_DOWN
ARROW_LEFT
ARROW_RIGHT
ARROW_UP
BACK_SPACE
CANCEL
CLEAR
COMMAND
CONTROL
DECIMAL
DELETE
DIVIDE
DOWN
END
ENTER
EQUALS
ESCAPE
F1
F10

F11

F12

F2

F3

F4

F5

F6

F7

F8

F9

HELP

HOME

INSERT

LEFT

LEFT\_ALT

LEFT\_CONTROL

LEFT\_SHIFT

META

MULTIPLY

NULL

NUMPAD0

NUMPAD1

NUMPAD2

NUMPAD3

NUMPAD4

NUMPAD5

NUMPAD6

NUMPAD7

NUMPAD8

NUMPAD9

PAGE\_DOWN

PAGE\_UP

PAUSE

RETURN

RIGHT

SEMICOLON

SEPARATOR

SHIFT

SPACE

SUBTRACT

TAB

UP

Write a script to click on enter without using the click method

```
1 from selenium import webdriver
2 from selenium.webdriver.common.keys import Keys
3
4 driver = webdriver.Firefox()
5 driver.implicitly_wait(30)
6 driver.get('https://demo.actitime.com/login.do')
7
8 driver.find_element_by_css_selector("input[id='username']").send_keys('admin')
9 driver.find_element_by_css_selector("input[name='pwd']").send_keys('manager')
10 driver.find_element_by_css_selector("a[id='loginButton']").send_keys(Keys.ENTER)
11
12 driver.quit()
```

Write a script to clear the text entered in text box without using the clear method

```
1 from selenium import webdriver
2 from selenium.webdriver.common.keys import Keys
3
4 driver = webdriver.Chrome()
5 driver.implicitly_wait(3000)
6 driver.get('https://demo.actitime.com/Login.do')
7
8 username = driver.find_element_by_css_selector("input[id='username']")
9 username.send_keys('admin')
10 username.send_keys(Keys.CONTROL + 'a')
11 username.send_keys(Keys.DELETE)
12
13 driver.quit()
```

Write a script to copy & paste the value present in one text box into another text box?

```
1 from selenium import webdriver
2 from selenium.webdriver.common.keys import Keys
3
4 driver = webdriver.Chrome()
5 driver.implicitly_wait(3000)
6 driver.get('https://demo.actitime.com/Login.do')
7
8 username = driver.find_element_by_css_selector("input[id='username']")
9 username.send_keys('admin')
10 username.send_keys(Keys.CONTROL + 'a')
11 username.send_keys(Keys.CONTROL + 'c')
12 password = driver.find_element_by_css_selector("input[name='pwd']")
13 password.send_keys(Keys.CONTROL + 'v')
14
15 print(password.get_attribute("value"))
16 driver.find_element_by_css_selector("a[id='LoginButton']").send_keys(Keys.ENTER)
17
18 driver.quit()
```

Write a script to clear the text present in the text box by pressing back space?

```
1 from selenium import webdriver
2 from selenium.webdriver.common.keys import Keys
3 import time
4
5 driver = webdriver.Chrome()
6 driver.get('https://demo.actitime.com/')
7 driver.implicitly_wait(30)
8
9 driver.find_element_by_css_selector("input#username").send_keys("admin")
10 password = driver.find_element_by_css_selector("input.textfield.pwdfield")
11
12 password.send_keys("manager")
13
14 count = len(password.get_attribute("value"))
15
16 for i in range(count+1):
17     password.send_keys(Keys.BACK_SPACE)
18     time.sleep(1)
19
20 time.sleep(5)
21
22 driver.quit()
```

Write a script to launch the link in the new tab

```
from selenium import webdriver
from selenium.webdriver.common.keys import Keys
from time import sleep
driver = webdriver.Chrome()
driver.maximize_window()
driver.get("https://docs.seleniumhq.org/")
driver.implicitly_wait(30)

selenium_link = driver.find_element_by_xpath("//a[@title='Get Selenium']")
selenium_link.send_keys(Keys.CONTROL + Keys.ENTER)
sleep(5)
driver.quit()
```

Write a script to launch the link in the new window

```
from selenium import webdriver
from selenium.webdriver.common.keys import Keys
from time import sleep

driver = webdriver.Chrome()
driver.maximize_window()
driver.get("https://docs.seleniumhq.org/")
driver.implicitly_wait(30)

selenium_link = driver.find_element_by_xpath("//a[@title='Get Selenium']")
selenium_link.send_keys(Keys.SHIFT + Keys.ENTER)

sleep(10)
driver.quit()
```