

```
In [3]: from selenium import webdriver
import time
from selenium.common.exceptions import NoSuchElementException
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
```

```
In [4]: driver=webdriver.Chrome()
driver.get("https://www.amazon.in/")
delay=10
element=driver.find_element(By.ID,"twotabsearchtextbox")
element.send_keys('guitar')
element.text
```

```

NoSuchElementException                                Traceback (most recent call last)
Cell In[4], line 4
      2 driver.get("https://www.amazon.in/")
      3 delay=10
----> 4 element=driver.find_element(By.ID,"twotabsearchtextbox")
      5 element.send_keys('guitar')
      6 element.text

File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py:741, in WebDriver.find_element(self, by, value)
    738         by = By.CSS_SELECTOR
    739         value = f'[name="{value}"]'
--> 741 return self.execute(Command.FIND_ELEMENT, {"using": by, "value": value})["value"]

File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\webdriver.py:347, in WebDriver.execute(self, driver_command, params)
    345 response = self.command_executor.execute(driver_command, params)
    346 if response:
--> 347     self.error_handler.check_response(response)
    348     response["value"] = self._unwrap_value(response.get("value", None))
    349     return response

File ~\anaconda3\lib\site-packages\selenium\webdriver\remote\errorhandler.py:229, in ErrorHandler.check_response(self, response)
    227     alert_text = value["alert"].get("text")
    228     raise exception_class(message, screen, stacktrace, alert_text) # type: ignore[call-arg] # mypy is not smart enough h
ere
--> 229 raise exception_class(message, screen, stacktrace)

NoSuchElementException: Message: no such element: Unable to locate element: {"method":"css selector","selector":"[id='twotabsearch
textbox']"}
(Session info: chrome=121.0.6167.185); For documentation on this error, please visit: https://www.selenium.dev/documentation/web
driver/troubleshooting/errors#no-such-element-exception
Stacktrace:
    GetHandleVerifier [0x00007FF620B47012+3522402]
    (No symbol) [0x00007FF620768352]
    (No symbol) [0x00007FF620615ABB]
    (No symbol) [0x00007FF62065BF0E]
    (No symbol) [0x00007FF62065C08C]
    (No symbol) [0x00007FF62069E437]
    (No symbol) [0x00007FF62067F09F]
    (No symbol) [0x00007FF62069BDA3]
    (No symbol) [0x00007FF62067EE03]
    (No symbol) [0x00007FF62064F4D4]
    (No symbol) [0x00007FF6206505F1]
    GetHandleVerifier [0x00007FF620B79B9D+3730157]
    GetHandleVerifier [0x00007FF620BCF02D+4079485]
    GetHandleVerifier [0x00007FF620BC75D3+4048163]
    GetHandleVerifier [0x00007FF62089A649+718233]
    (No symbol) [0x00007FF620774A3F]
    (No symbol) [0x00007FF62076FA94]
    (No symbol) [0x00007FF62076FBC2]
    (No symbol) [0x00007FF62075F2E4]
    BaseThreadInitThunk [0x00007FFA01017344+20]
    RtlUserThreadStart [0x00007FFA011826B1+33]

```

```
In [ ]: try:
        element=driver.find_element(By.ID,"guitar")
        print(element.text)
    except NoSuchElementException as e:
        print("exception Raised: ",e)
        element=driver.find_element(By.CLASS_NAME,"a-size-base a-color-base")
        print(element.text)
```

In [ ]: 2ND QUESTION

```
In [ ]: driver=webdriver.Chrome()
driver.get("https://www.amazon.in/")
delay=10
element=driver.find_element(By.ID,"twotabsearchtextbox")
element.send_keys('guitar')
element=driver.find_element(By.CLASS_NAME,"try:
element=driver.find_element(By.ID,"guitar")
print(element.text)
element=driver.find_element(By.CLASS_NAME,"a-price-whole")
element=driver.find_element(By.CLASS_NAME,"a-section a-spacing-none a-spacing-top-micro")
```

```
In [ ]: try:
        element=driver.find_element(By.CLASS_NAME, "PRODUCT_NAME")
        print(element.text)
    except NoSuchElementException as e:
        print("exception Raised: ",e)
        element=driver.find_element(By.CLASS_NAME, "a-size-base a-color-base")
        print(element.text)
```

In [ ]: 3RD QUESTION

```
In [ ]: driver=webdriver.Chrome()
driver.get("https://images.google.com/")
delay=10
element=driver.find_element(By.ID,"APjFqb")
element.send_keys('guitar')
element=driver.find_element(By.CLASS_NAME,"zgAlFc")
delay=10
element=driver.find_element(By.ID,"APjFqb")
element.send_keys('fruits')
delay=10
element=driver.find_element(By.ID,"APjFqb")
element.send_keys('data scientist')
delay=10
element=driver.find_element(By.ID,"APjFqb")
element.send_keys('cakes')
```

```
In [ ]: driver.close()
```

In [ ]: 4th question

```
In [33]: from selenium import webdriver
import time
from selenium.common.exceptions import NoSuchElementException
import warnings
warnings.filterwarnings('ignore')
from selenium.webdriver.common.by import By
```

```
In [34]: driver=webdriver.Chrome()  
driver.get("https://www.flipkart.com/")  
element=driver.find_element(By.CLASS_NAME,"Pke_EE")  
element.send_keys('smartphone One plus')
```

```
In [35]: search=driver.find_element(By.CLASS_NAME, "_2iLD__")
search.click()
```

```
In [36]: Brand_Name=[]
          Colour=[]
          Primary_camera=[]
          storage_Ram=[]
          Secondary_camera=[]
          Battery_space=[]
```

```
In [37]: Brand_Name=driver.find_elements(By.XPATH, '//div/html/body/div/div/div[3]/div[1]/div[2]/div[2]/div/div/div/a/div[2]/div[1]/div[1]/d
for i in Brand_Name:
    Brand=i.text
    job_title.append(Brand)
```

```
In [38]: Storage_Ram=driver.find_elements(By.XPATH, '//div/html/body/div/div/div[3]/div[1]/div[1]/div/div/div/section[7]/div[1]/div')
for i in Storage_Ram:
    Storage=i.text
    Storage_Ram.append(Storage)
```

```
In [39]: Primary_camera=driver.find_elements(By.XPATH, '//div/html/body/div/div/div[3]/div[1]/div[1]/div/div[1]/div/section[11]/div')
for i in Primary_camera:
    Primary=i.text
    Primary_camera.append(Primary)
```

```
In [40]: Secondary_camera=driver.find_elements(By.XPATH, '//div/html/body/div/div/div[3]/div[1]/div[1]/div/div[1]/div/section[12]/div')
for i in Secondary_camera:
    Secondary=i.text
    Secondary_camera.append(Secondary)
```

```
In [41]: Battery_Space=driver.find_elements(By.XPATH, '//div/html/body/div/div/div[3]/div[1]/div[1]/div/div[1]/div/section[9]/div')
for i in Battery_Space:
    Battery=i.text
    Battery_Space.append(Battery)
```

```
In [43]: print(len(Brand_Name), len(Colour), len(Storage_Ram), len(Primary_camera), len(Secondary_camera), len(Battery_Space))
```

```
0 0 0 0 0 0
```

```
In [ ]: 5th question
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```
In [44]: driver=webdriver.Chrome()
driver.get("https://www.googlemaps.com/")
```

```
In [45]: driver=webdriver.Chrome()  
driver.get("https://www.forbes.com/")
```

```
In [ ]: element=driver.find_element(By.ID,"AP")
        element.send_keys('guitar')
```