

Assignment-3
Locating different web Elements and Selenium Waits

Question 1: Locate Different different elements from the form:

https://www.tutorialspoint.com/selenium/practice/selenium_automation_practice.php

```
import time
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.support.select import Select
driver = webdriver.Chrome()

driver.get("https://www.tutorialspoint.com/selenium/practice/selenium_automation_practice.php")
driver.maximize_window()

#Name
Name = driver.find_element(By.ID,"name")
Name.send_keys("Aman")
time.sleep(2)

#Email
Email = driver.find_element(By.ID,"email")
Email.send_keys("amankumarakk536@gmail.com")
time.sleep(2)

# Gender
Gender = driver.find_element(By.ID,"gender")
Gender.click()
time.sleep(2)

# Mobile
Mobile = driver.find_element(By.ID,"mobile")
Mobile.send_keys("9874635210")
time.sleep(2)

#DOB
dob = driver.find_element(By.ID,"dob")
dob.send_keys("12272024")

#Subject
Subject = driver.find_element(By.ID,"subjects")
Subject.send_keys("Python")
time.sleep(2)

# Hobbies
Hobby = driver.find_element(By.ID,"hobbies")
Hobby.click()
time.sleep(2)
```

```
# Picture
```

```
# Current Address
```

```
curr_Add =  
driver.find_element(By.XPATH,'/html/body/main/div/div/div[2]/form/div[9]/div/textarea')  
curr_Add.send_keys("Chandigarh")  
time.sleep(2)
```

```
# State and City
```

```
state = Select(driver.find_element(By.ID,"state"))  
op = state.options  
for i in op:  
    if i.text=="Uttar Pradesh":  
        i.click()  
time.sleep(2)
```

```
city = Select(driver.find_element(By.ID,"city"))  
op1 = city.options  
for i in op1:  
    if i.text=="Lucknow":  
        i.click()  
time.sleep(2)
```

```
driver.quit()
```

Question 2: Amazon - <https://www.amazon.com/>

Wait for search results to load after performing a search query, or wait for product recommendations to appear on the home page.(Both Implicit and explicit wait)

```
# Implicit wait-----  
# from selenium import webdriver  
# from selenium.webdriver.common.by import By  
# driver = webdriver.Chrome()  
# driver.get("https://www.amazon.com/")  
# driver.implicitly_wait(10)  
#  
# search =driver.find_element(By.ID,"twotabsearchtextbox")  
# search.send_keys("Laptop")  
#  
# click = driver.find_element(By.ID,"nav-search-submit-button")  
# click.click()
```

```
# Explicit wait-----  
from selenium import webdriver
```

```
from selenium.webdriver.common.by import By
from selenium.webdriver.support.wait import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
```

```
driver = webdriver.Chrome()
driver.get("https://www.amazon.com/")
myWait = WebDriverWait(driver,10)
```

```
search =
myWait.until(EC.presence_of_element_located((By.ID,"twotabsearchtextbox"))).send_keys("Laptop")
click = myWait.until(EC.presence_of_element_located((By.ID,"nav-search-submit-button"))).click()
```