

Devops EXP 6 Steps

Step 1

Check for the following prerequisite installations of:

1. Python installed and set up on your machine.
2. Selenium and ChromeDriver installed on your machine.
3. A web application to test.

Step 2

Open CMD

Type “python –version”

Next command “- m pip install U selenium”

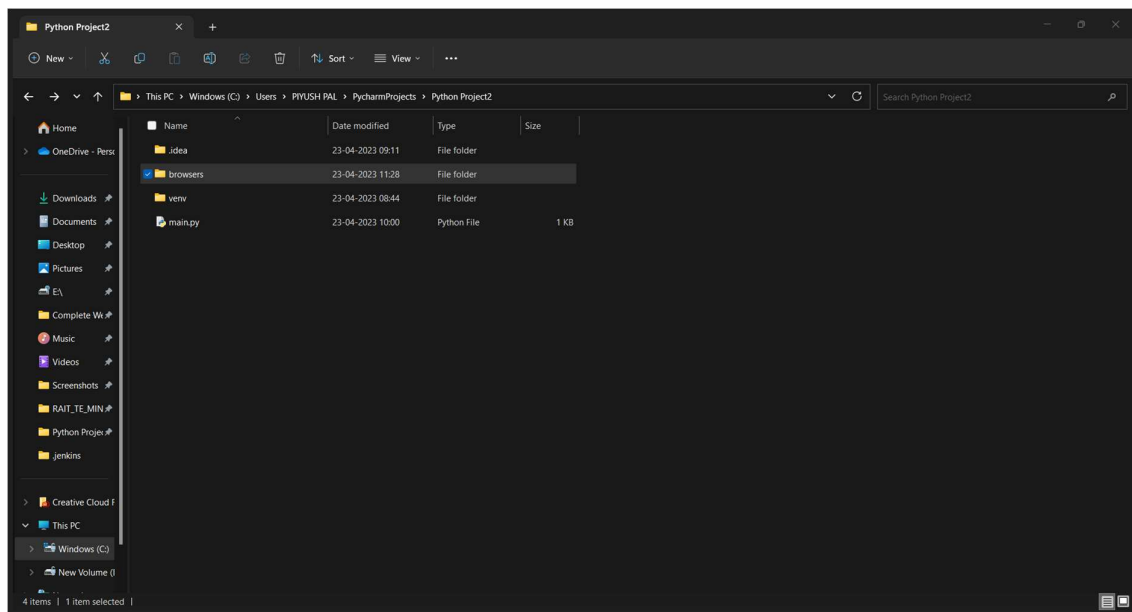
Step 3

From the Google chrome, install chrome webdriver from the link given:

<https://chromedriver.storage.googleapis.com/index.html?path=113.0.5672.24/>

Extract the file and copy the “chromedriver.exe” file and paste it into:

Pycharm Projects> Your project folder> browsers



Step 4

1. Create a new folder in Desktop, suppose name it as “devopsexam6”
2. Inside the folder create and save a signup page for html.

The code for the page is as follows:

```
<!DOCTYPE html>
<html>

<head>
  <title>Sign Up</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #F2F2F2;
    }

    .container {
      background-color: #FFFFFF;
      border-radius: 10px;
      box-shadow: 0px 0px 10px #BBBBBB;
      padding: 20px;
      margin: 50px auto max-width: 500px;
    }

    h1 {
      text-align: center;
      margin-top: 0;
    }

    form {
      display: flex;
      flex-wrap: wrap;
      justify-content: center;
      align-items: center;
      margin: 20px 0;
    }

    label,
    input {
      display: block;
      width: 100%;
      margin-bottom: 10px;
    }

    input[type="text"],
    input[type="email"],
```

```

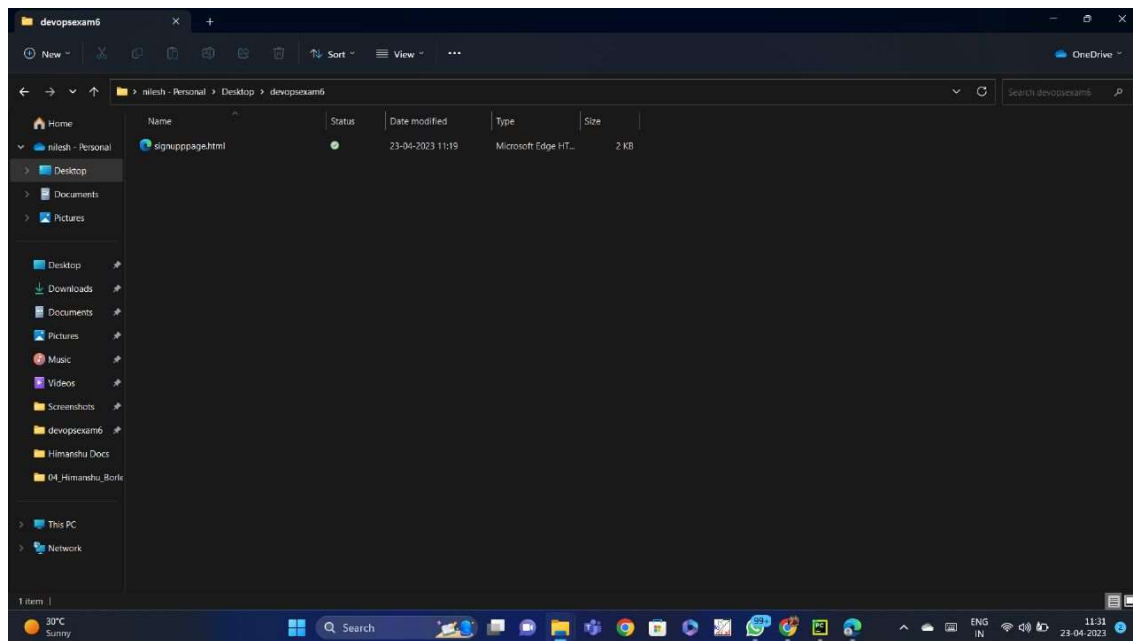
    input[type="password"] {
        border-radius: 5px;
        border: none;
        padding: 10px;
        font-size: 16px;
        background-color: #F2F2F2;
        box-shadow: inset 0px 0px 5px #CCCCCC;
    }

    input[type="submit"] {
        border: none;
        background-color: #3B8AD9;
        color: #FFFFFF;
        padding: 10px;
        border-radius: 5px;
        font-size: 16px;
        cursor: pointer;
        box-shadow: 0px 0px 5px #BBBBBB;
        transition: background-color 0.3s ease;
        margin-top: 10px;
    }

    input[type="submit"]:hover {
        background-color: #2666B1;
    }
</style>
</head>

<body>
    <div class="container">
        <h1>Sign Up</h1>
        <form action="homepage.html" method="POST">
            <label for="name">Name:</label>
            <input type="text" id="name" name="username" placeholder="Enter
your name" required>
            <label for="email">Email:</label>
            <input type="email" id="email" name="email" placeholder="Enter
your email" required>
            <label for="password">Password:</label>
            <input type="password" id="password" name="password"
placeholder="Enter your password" required>
            <input type="submit" name="submit" value="Sign
Up">
        </form>
    </div>
</body>
</html>

```



Step 5

1. Open Pycharm community edition

Follow the below process, to create a new project in PyCharm:

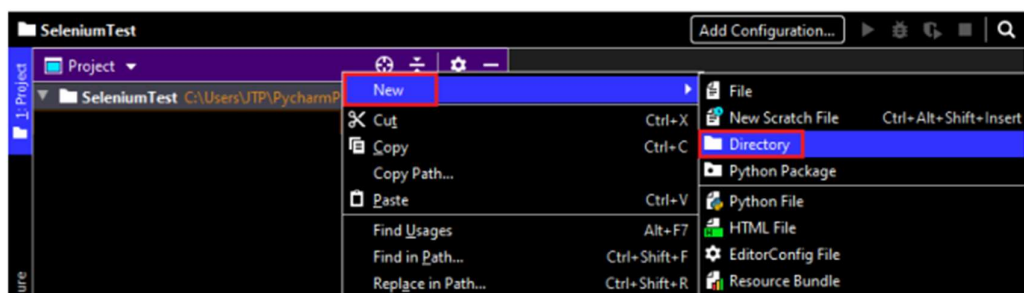
- First, open the PyCharm by Double-click on it, and click on the Create New Project
- Name the Project, suppose "SELENIUMtest". Click on Create button.

Now add the selenium script:

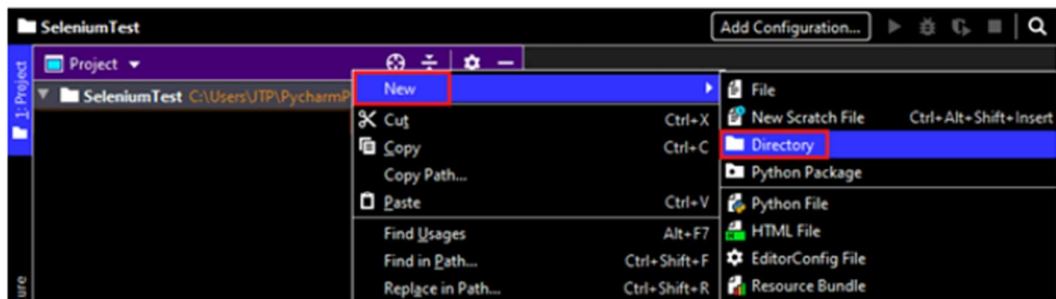
Adding Selenium Test Scripts

For adding the Selenium test scripts in the PyCharm, follow the below process:

- Right-click on the **SeleniumTest** project, then go to **New**, and we can add any of the options in the given list according to our requirements.
- But, here we are adding the Python file, so for this, we will add the **Directory** which helps us to manage them separately as we can see in the below screenshot:

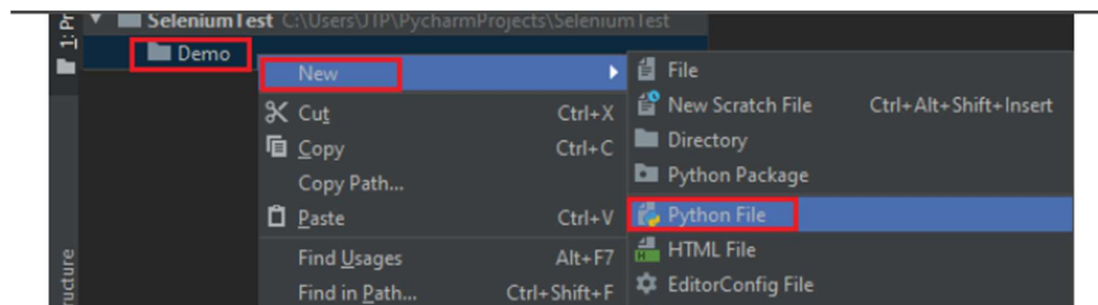


- And, provide the Directory name, in our case we give it as **Demo**
- After that, press the **Enter** key as we can see in the below screenshot:

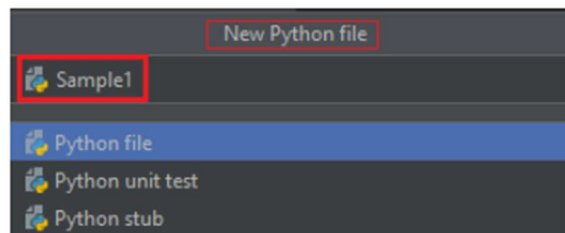


- After creating a Directory, we will right-click on the **Demo** Directory then go to **New**, and select **Python File** from the pop-up menu as we can see in the below image:
Demo → New → Python File

It will look like this:



- And, we provide a name to python file as **Sample1**.
- Then, press the **Enter** key as we can see in the below image:



- After that, we got the IDE where we can create or write our Selenium test Scripts.

Step 6

After all this, we will write the Selenium test script:

```
from selenium import webdriver
import time
from selenium.webdriver.common.keys import Keys
print("Sample test case started")
driver = webdriver.Chrome()
driver.maximize_window()
driver.get("C:/Users/PIYUSH PAL/OneDrive/Desktop/Devops2/signuppage.html")
time.sleep(3)
driver.find_element("name", "username").send_keys("Piyush")
time.sleep(3)
driver.find_element("name", "email").send_keys("ppal7191@gmail.com")
time.sleep(3)
driver.find_element("name", "password").send_keys("abcd1290")
time.sleep(4)
driver.find_element("name", "submit").send_keys(Keys.ENTER)
time.sleep(4)
driver.close()
print("Sample test case successfully implemented")
```

Important Note:

1. Add the path of your signup page in the driver.get() line.
2. Change all the (\) to (/).

Step 7:

Now run the Sample1.py

It will open the signup page

The final output will look like this:

