Task 1: Open JMeter
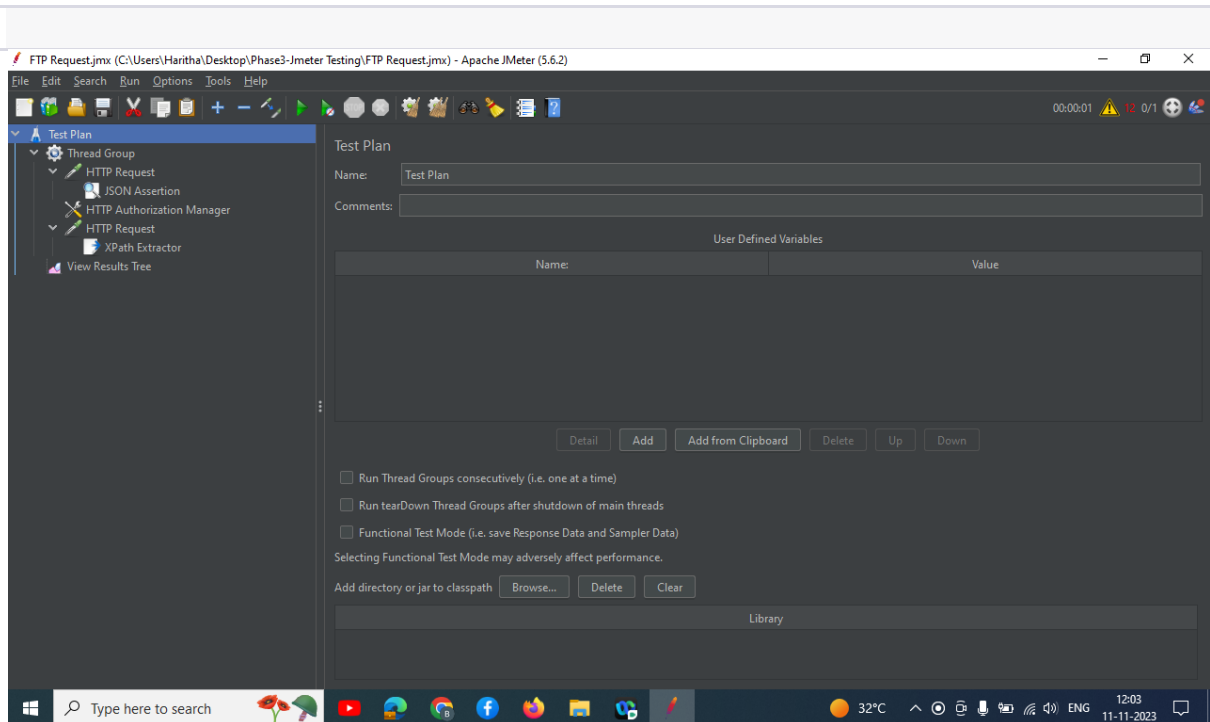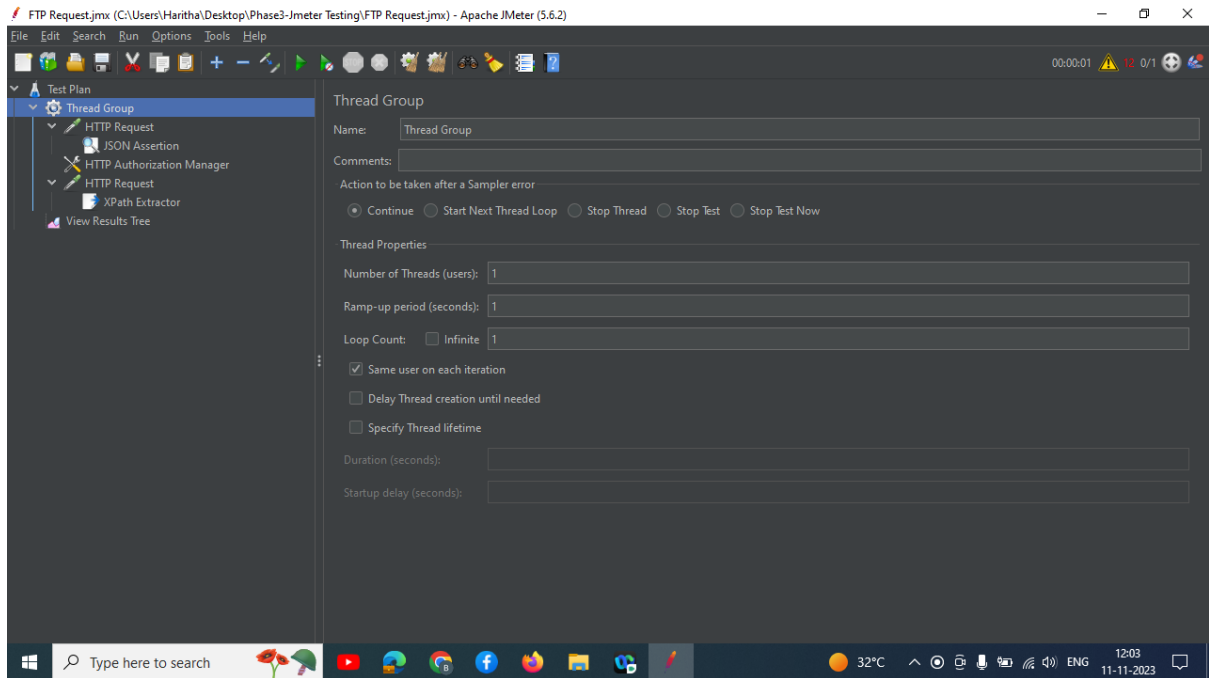
1. Download and install Apache JMeter if you haven't already: https://jmeter.apache.org/download_jmeter.cgi
2. Launch JMeter.

Task 2: Validate https://httpbin.org/basic-auth/user/passwd using HTTP Authentication Manager
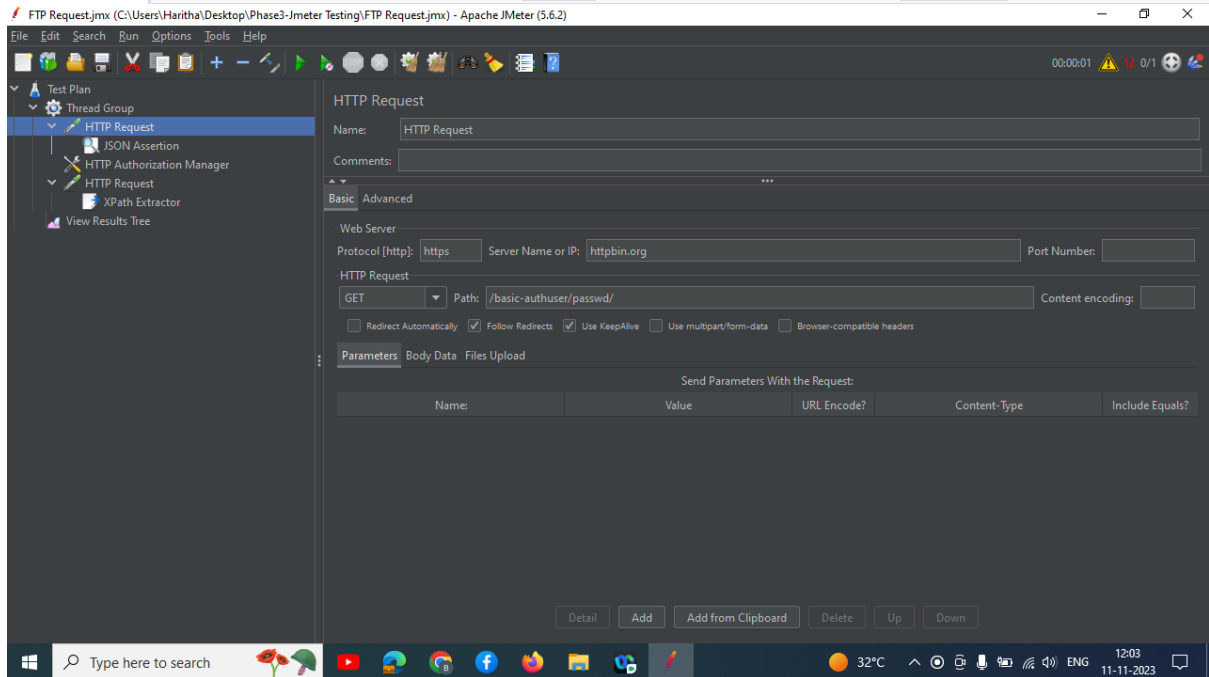

Add a Thread Group:
- Right-click on the Test Plan > Add > Threads (Users) > Thread Group.
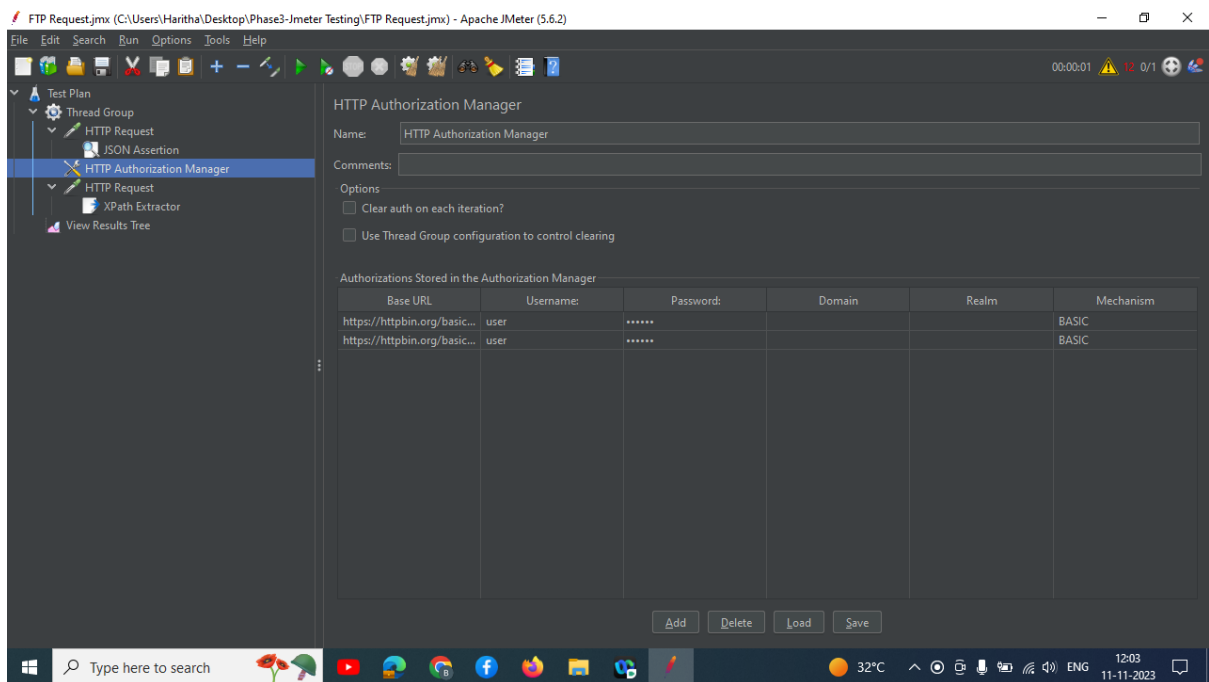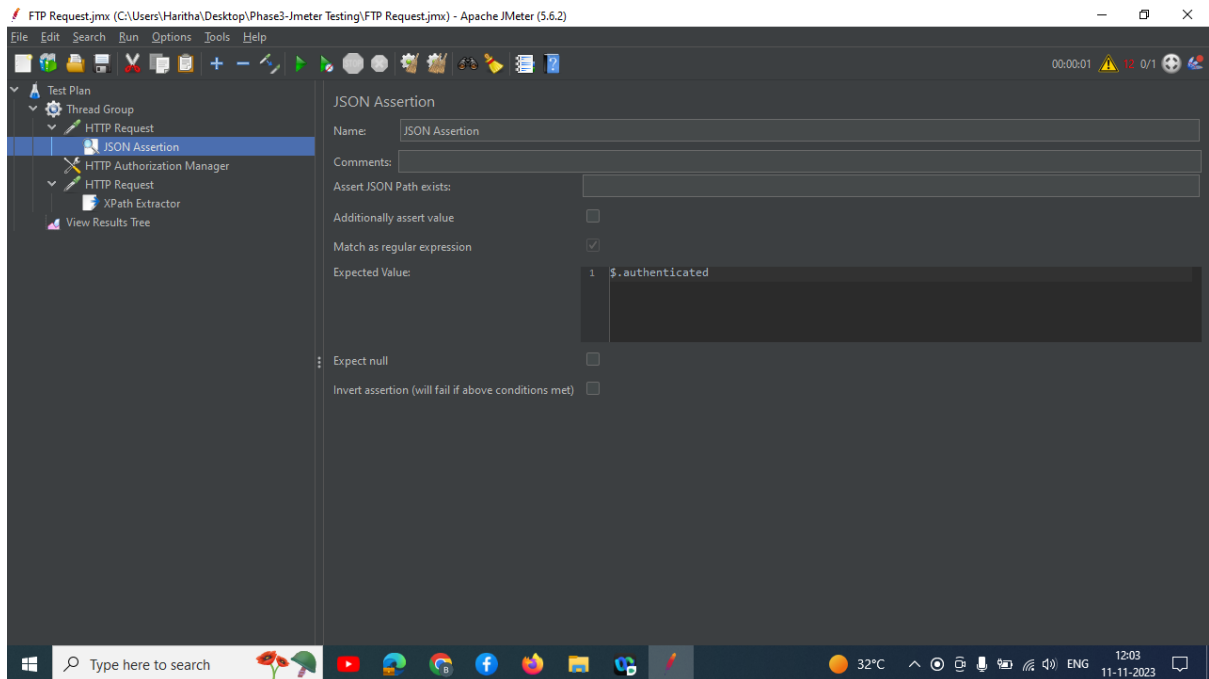- Set the number of threads (users) and other relevant settings.

Add HTTP Request Sampler:

- Right-click on the Thread Group > Add > Sampler > HTTP Request.
- Set the Server Name or IP to `https://httpbin.org/basic-auth/user/passwd`.
- Add an HTTP Authorization Manager:
  - Right-click on the Thread Group > Add > Config Element > HTTP Authorization Manager.
  - Enter the username as `user` and the password as `passwd`.

Add a JSON Assertion:

- Right-click on the HTTP Request Sampler > Add > Assertions > JSON Assertion.
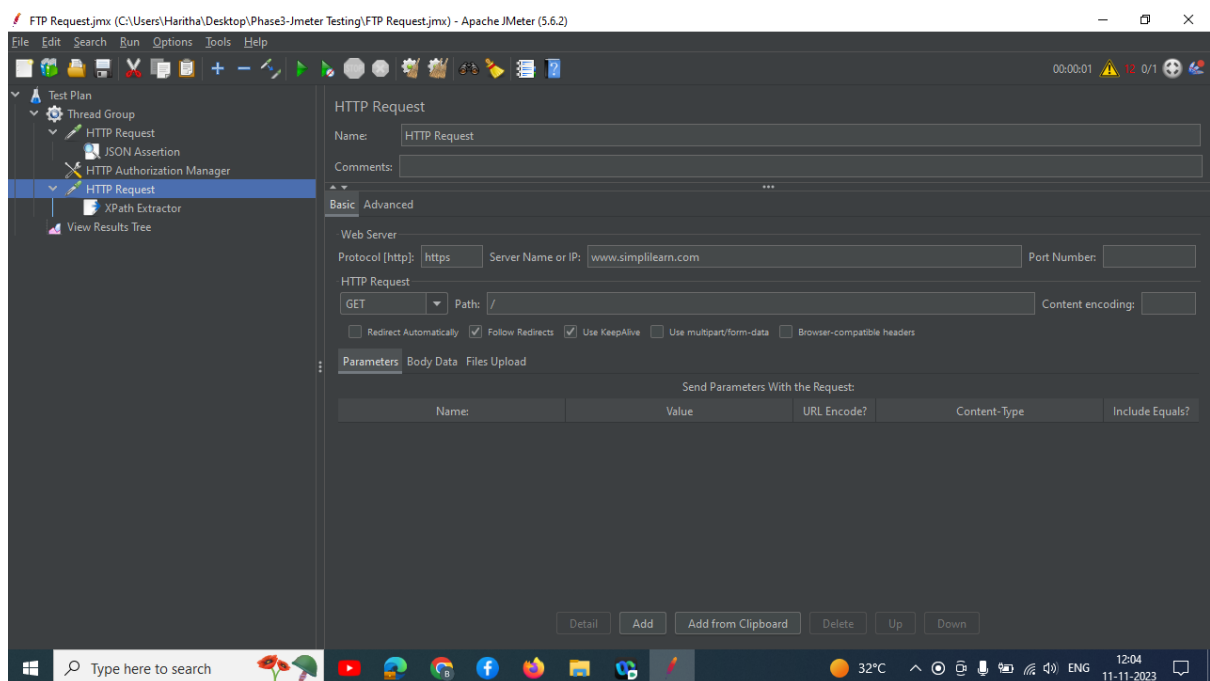- Set the JSON Path to `$.authenticated`.

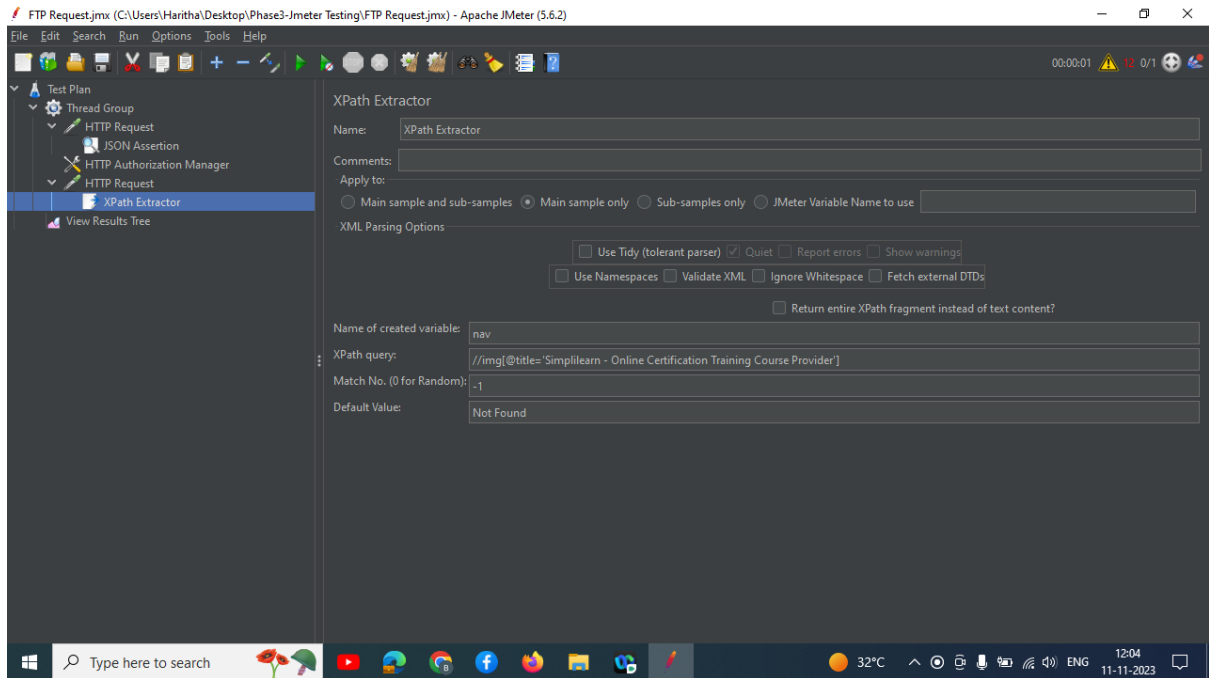**Task 3: Hit** https://www.simplilearn.com **and validate XPath**

1. Add another HTTP Request Sampler:
   - Right-click on the Thread Group > Add > Sampler > HTTP Request.
   - Set the Server Name or IP to `https://www.simplilearn.com`.
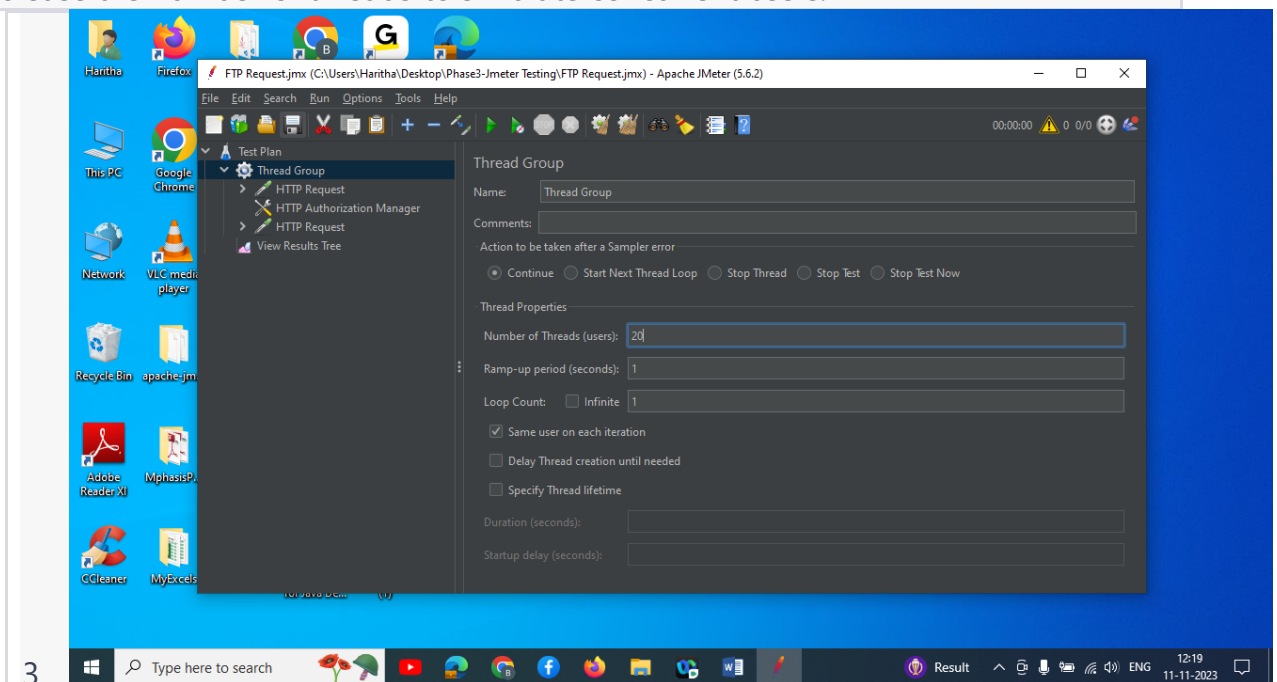2. Add a Response Assertion:
   - Right-click on the HTTP Request Sampler > Add > Assertions > Response Assertion.
   - In the Response Assertion, choose "XPath Assertion" and set the XPath expression to `//img[@title='Simplilearn - Online Certification Training Course Provider']`.

Task 4: Increase the Thread Count for Load Testing

1. Go back to the Thread Group.
2. Increase the number of threads to simulate concurrent users.

3.

Task 5: Perform Load Testing

1. Save your test plan.

2. Run the test by clicking on the "Run" menu and then "Start" or use the green "Run" button.