

**Aim:perform load testing using j meter ,Android application testin using appium and Bugzilla bug tracking**

### **Step 1: Download Apache JMeter**

1. Open a web browser.
2. Go to the official **Apache JMeter** website.



The screenshot shows the Apache JMeter homepage. At the top left is the Apache logo. Next to it, the text "Apache JMeter" and the URL "https://jmeter.apache.org". To the right of the URL are three small icons: a gear, a bar chart, and a line graph. Below this header, the main title "Apache JMeter - Apache JMeter™" is displayed in blue, accompanied by a green checkmark icon. A short description follows: "The Apache JMeter™ application is open source software, a 100% pure Java applicati". The text is cut off at the end.

3. Click on **Download Releases**.



The screenshot shows the "Download" section of the Apache JMeter website. It features a large button labeled "Download" with a downward arrow icon. Below the button is a list of two items:

- [Download Releases](#)
- [Release Notes](#)

4. Download the **ZIP file** of Apache JMeter.

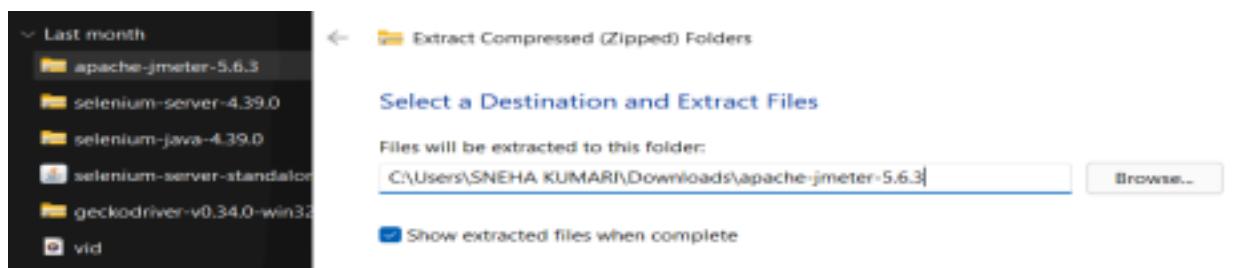
## **Apache JMeter 5.6.3 (Requires Java 8+)**

### **Binaries**

[apache-jmeter-5.6.3.tgz sha512 pgp](#)  
[apache-jmeter-5.6.3.zip sha512 pgp](#)

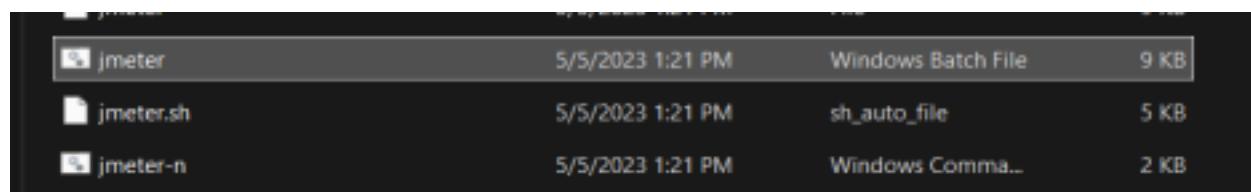
### **Step 2: Extract JMeter**

1. After downloading, open **File Explorer**.
2. Locate the downloaded JMeter ZIP file.
3. Right-click on the file and select **Extract Here** or **Extract to folder**.

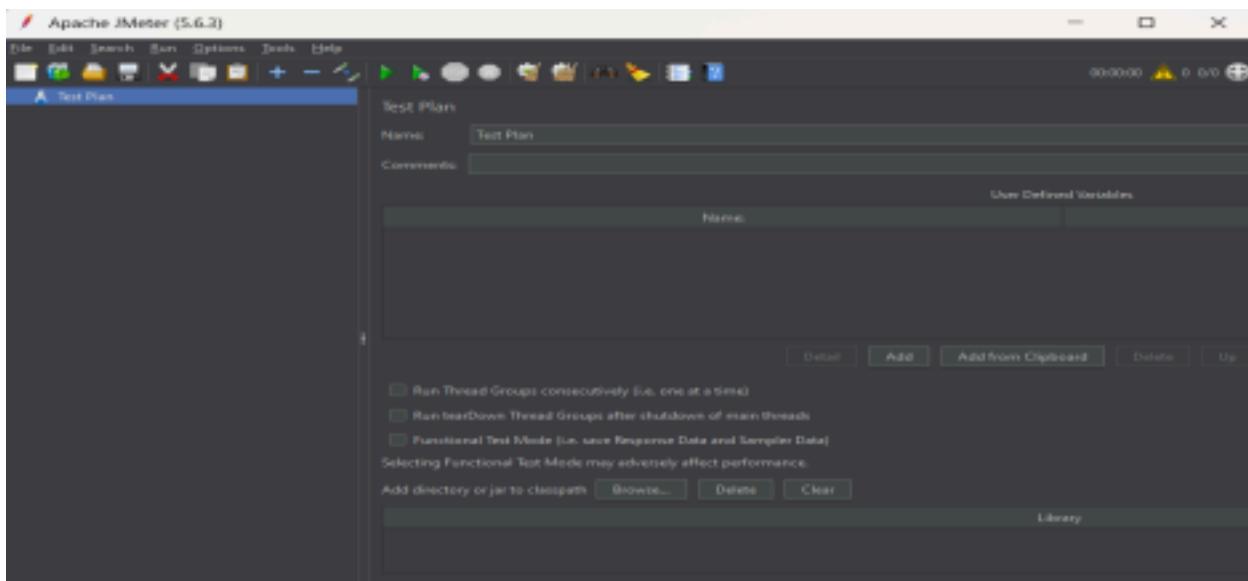


### Step 3: Launch Apache JMeter

1. Open the extracted JMeter folder.
2. Go to the **bin** directory.
3. Double-click on **jmeter** (Windows Batch File).



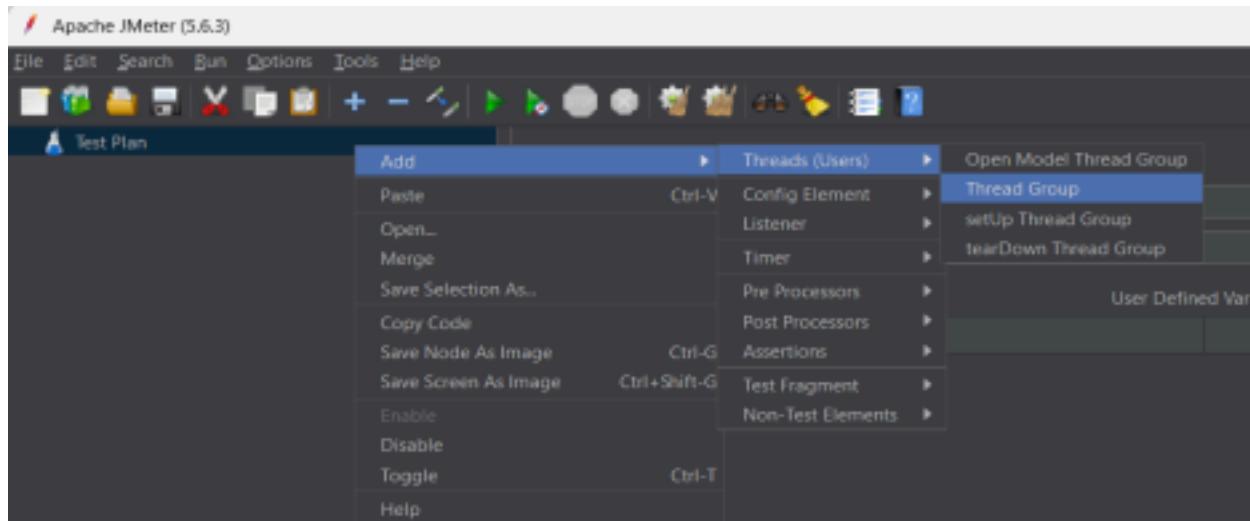
4. The Apache JMeter GUI will open.



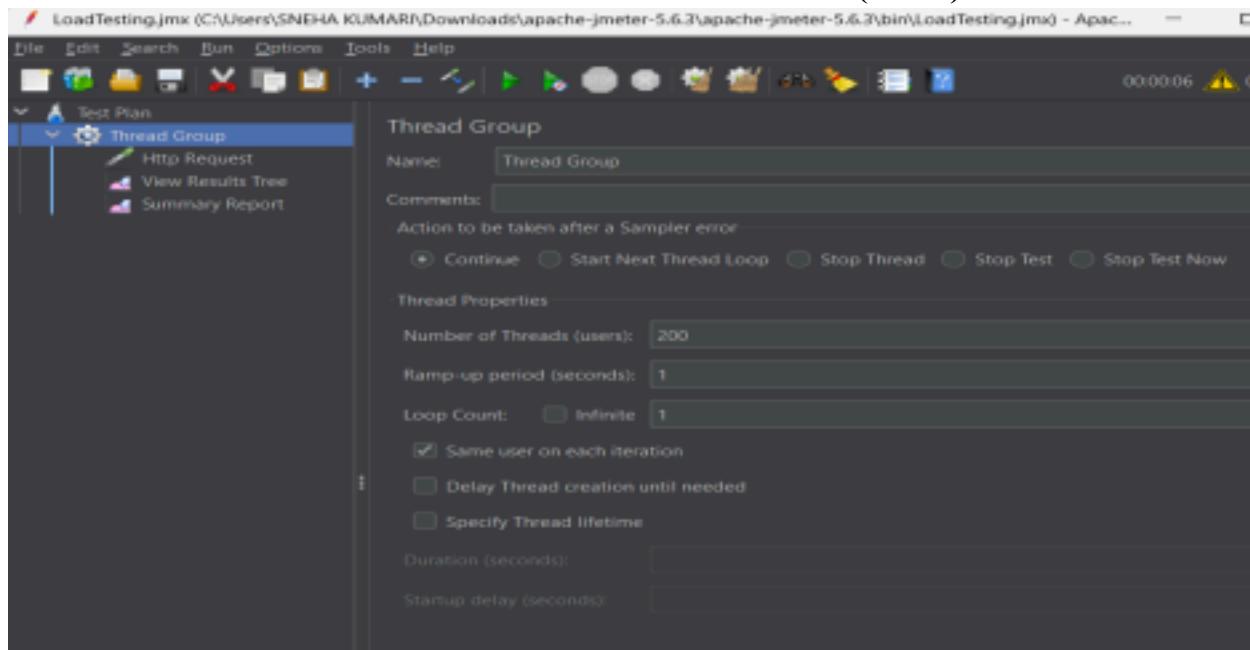
## Performing Load Testing

### Step 4: Create a Thread Group

1. Right-click on the **Test Plan**.
2. Click **Add → Threads (Users) → Thread Group**.



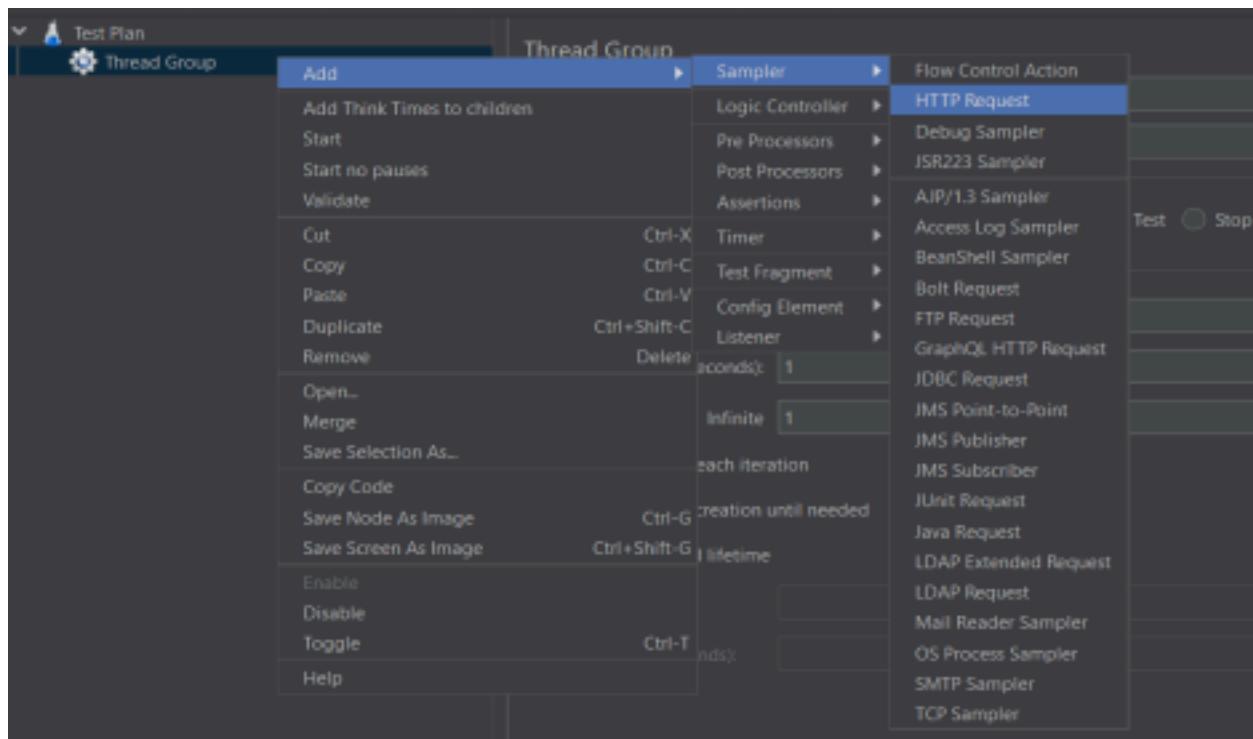
3. Set Number of Threads (Users) to 200.



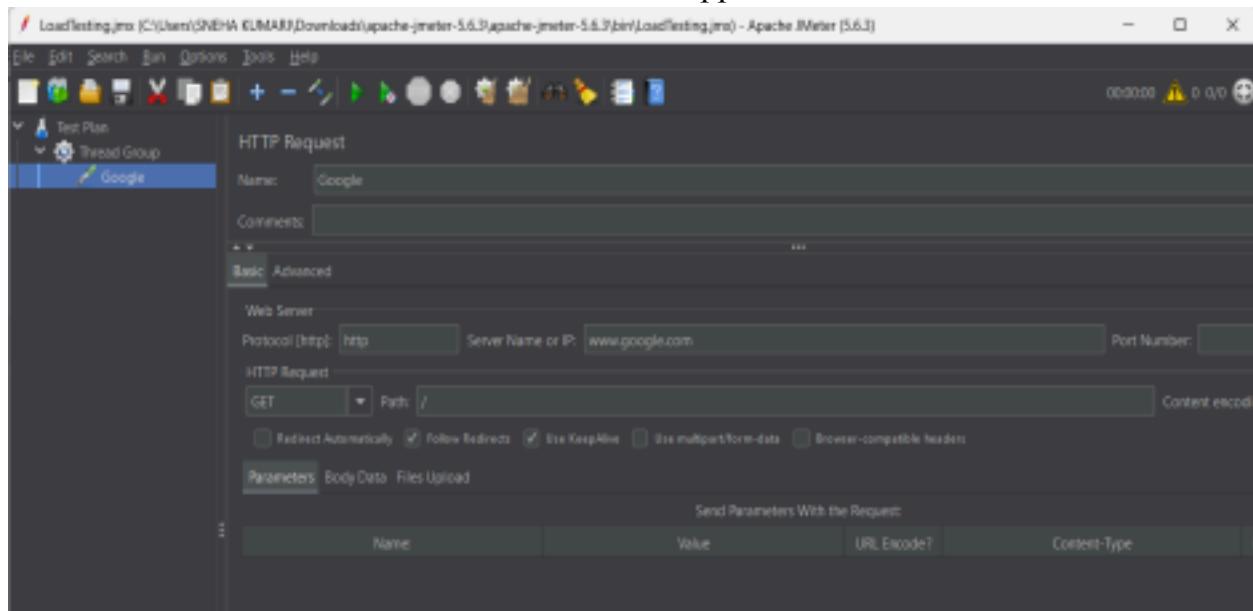
4. Configure other options like Ramp-Up Period, Loop Count if required.

#### Step 5: Add an HTTP Request Sampler

1. Right-click on **Thread Group**.
2. Select **Add → Sampler → HTTP Request**.

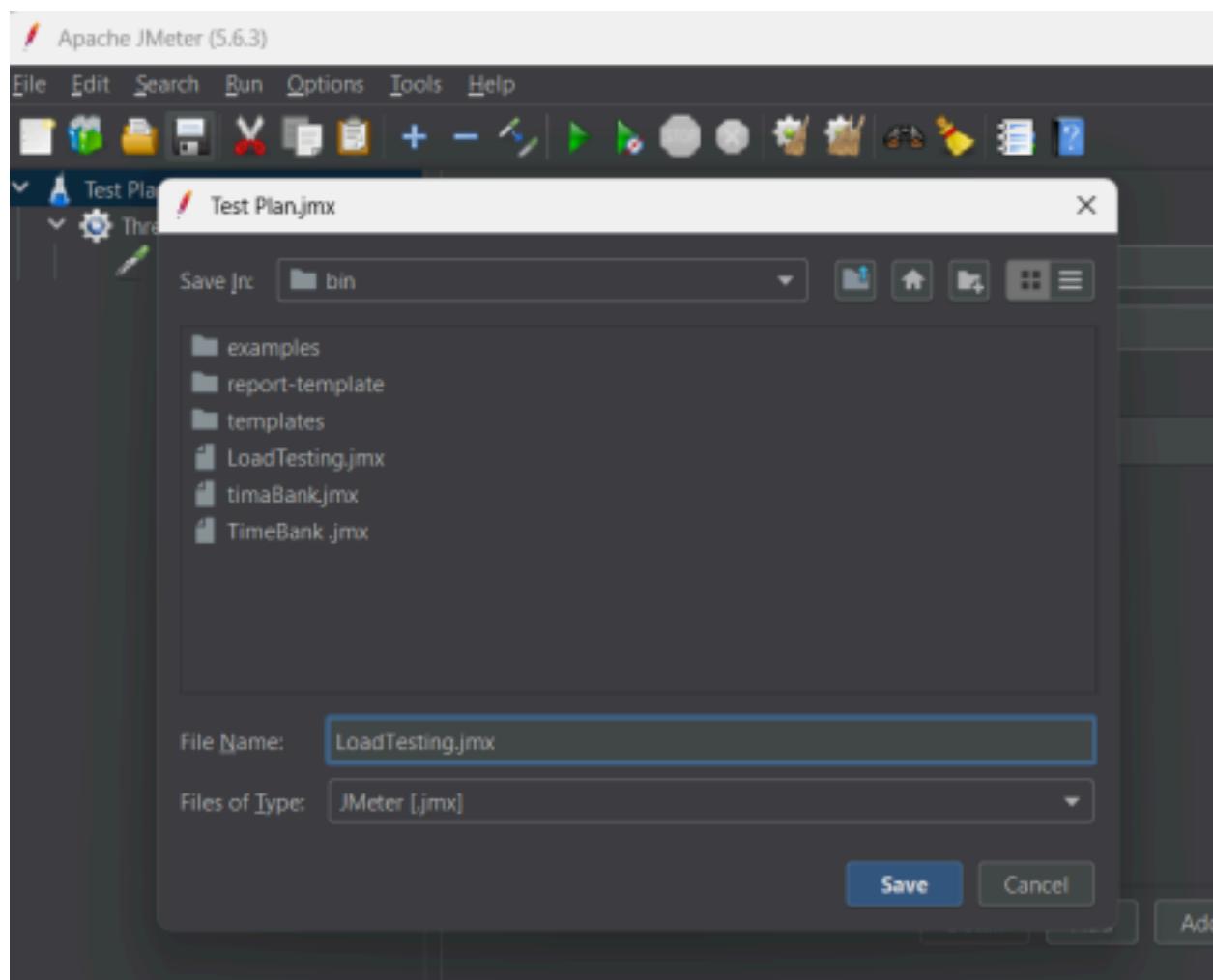


3. Enter the Server Name or IP and Path of the application to be tested.



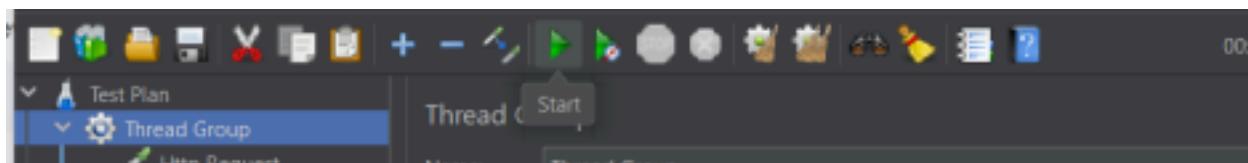
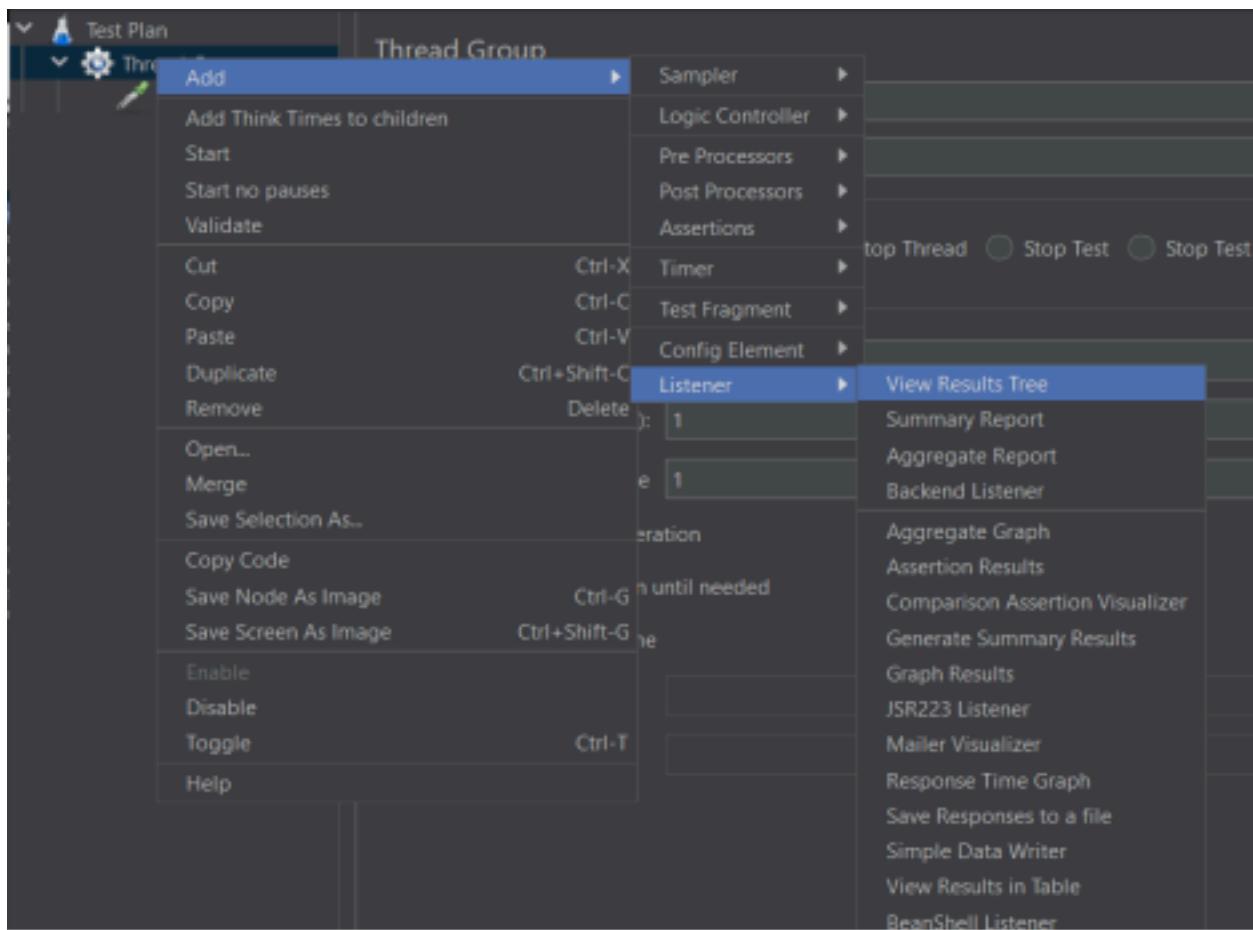
### Step 6: Save the Test Plan

1. Click on **File → Save Test Plan**. (e.g – LoadTesting.jmx).



### Step 7: Add Listeners

1. Right-click on **Thread Group**.
2. Click **Add → Listener → View Results Tree**.
3. Again, right-click on **Thread Group**.
4. Click **Add → Listener → Summary Report**.



1. Click on the **green Start button** in the toolbar.

## Step 9: View Test Results

1. Click on **View Results Tree** to see request and response details.
2. Click on **Summary Report** to analyze performance metrics.

The screenshot shows the JMeter interface with the 'View Results Tree' listener selected in the left sidebar. The main area displays a tree view of 200 'Http Request' samples under a single 'Thread Group'. A preview window on the right shows the Google search results page, including the 'Google' logo, search bar, and a snippet of the search results.

## Summary Report

The screenshot shows the JMeter interface with the 'Summary Report' listener selected in the left sidebar. The main area displays a table of test results. The table has columns for Label, # Samples, Average, Min, Max, Std. Dev., Error %, Throughput, Received KB/sec, and Sent KB/sec. There are two rows: one for 'Http Request' and one for 'TOTAL'.

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec
Http Request	200	518	378	5659	613.80	0.00%	31.2/sec	652.09	5.00
TOTAL	200	518	378	5659	613.80	0.00%	31.2/sec	652.09	5.00