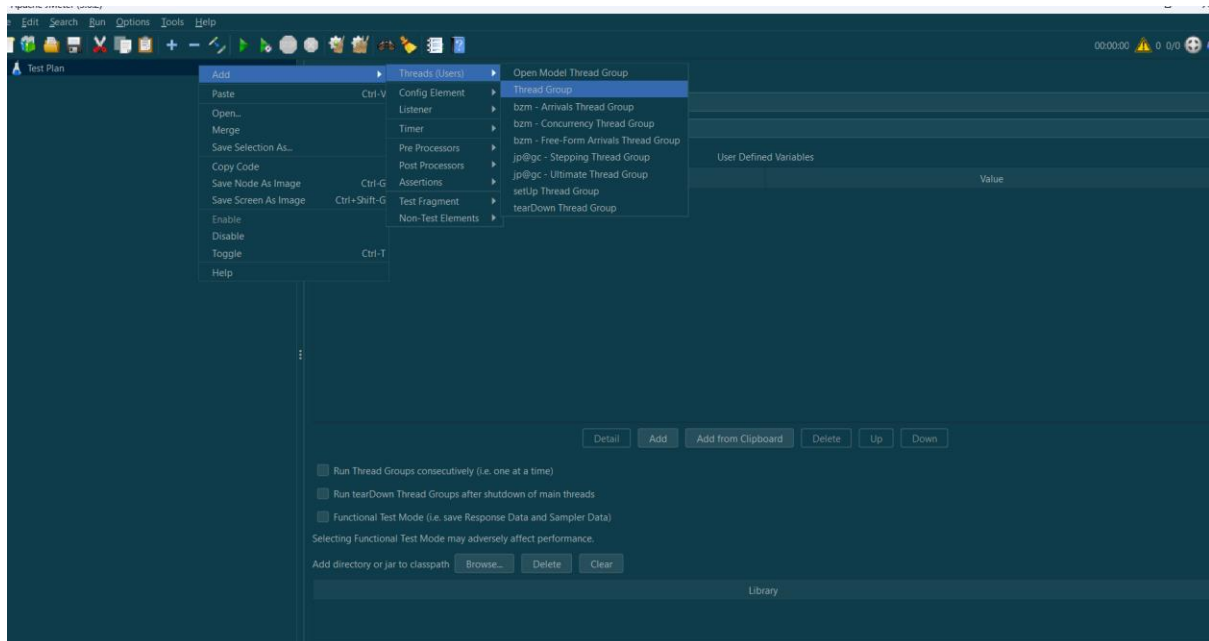## 2. Write a program to demonstrate how load (threads) is added in JMeter.

To add load (threads) in JMeter, you can use a Thread Group. A Thread Group represents a collection of virtual users that will be used to simulate your workload.

To add a Thread Group, right-click on the Test Plan node and select Add > Threads > Thread Group.

Once you have added a Thread Group, you need to configure it.


```xml
<?xml version="1.0" encoding="UTF-8"?>

<jmeterTestPlan version="1.2">

  <hashTree>

    <TestPlan guiclass="TestPlanGui" testclass="TestPlan" testname="Load Test" enabled="true">

      <stringProp name="TestPlan.comments"></stringProp>

      <boolProp name="TestPlan.functional_mode">false</boolProp>

      <boolProp name="TestPlan.tearDown">true</boolProp>

      <hashTree>

        <ThreadGroup guiclass="ThreadGroupGui" testclass="ThreadGroup" testname="Thread Group 1" enabled="true">

          <stringProp name="ThreadGroup.num_threads">100</stringProp>
```

```xml
<stringProp name="ThreadGroup.ramp_time">10</stringProp>

<longProp name="ThreadGroup.duration">60</longProp>

<longProp name="ThreadGroup.loops">1</longProp>

<hashTree>

    <HTTPSampler guiclass="HttpTestSampleGui" testclass="HTTPSampler" testname="Load Test" enabled="true">

        <stringProp name="HTTPSampler.domain">www.example.com</stringProp>

        <stringProp name="HTTPSampler.port">80</stringProp>

        <stringProp name="HTTPSampler.protocol">HTTP</stringProp>

        <stringProp name="HTTPSampler.path"></stringProp>

        <stringProp name="HTTPSampler.method">GET</stringProp>

        <stringProp name="HTTPSampler.contentEncoding"></stringProp>

        <boolProp name="HTTPSampler.followRedirects">true</boolProp>

        <boolProp name="HTTPSampler.autoRedirects">true</boolProp>

        <boolProp name="HTTPSampler.useKeepAlive">true</boolProp>

        <boolProp name="HTTPSampler.DO_MULTIPART_POST">false</boolProp>

        <boolProp name="
```