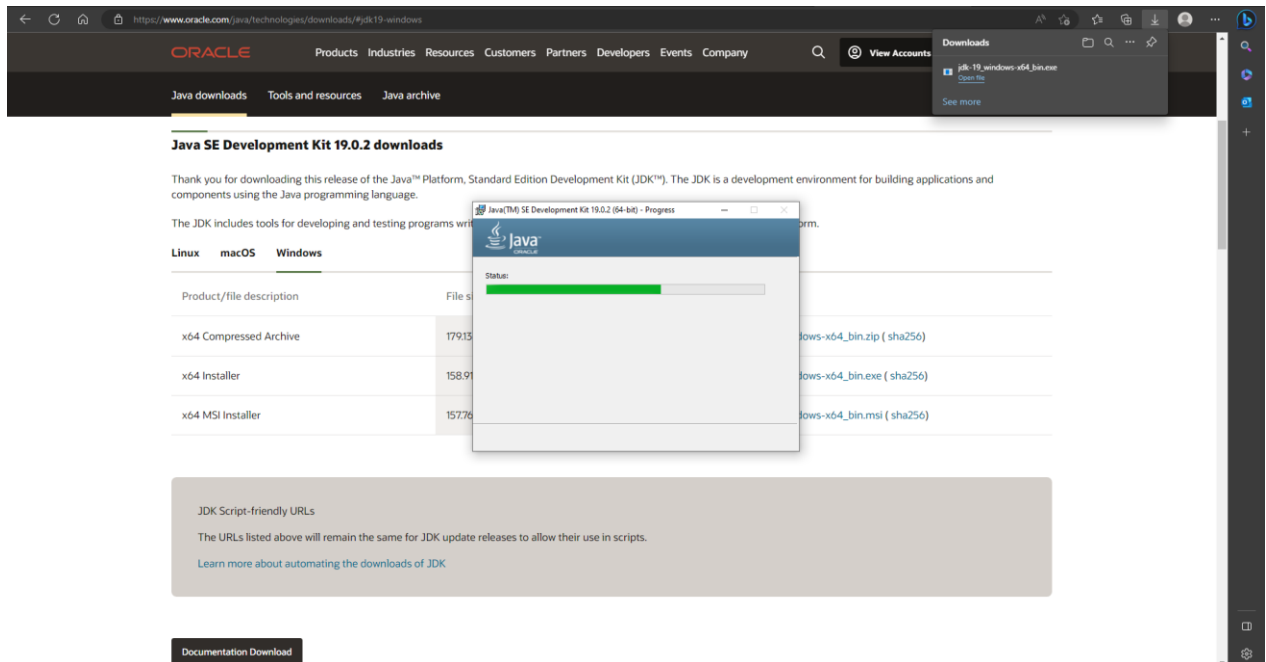# *Devops Assignments - Module 5 - Continuous Testing*
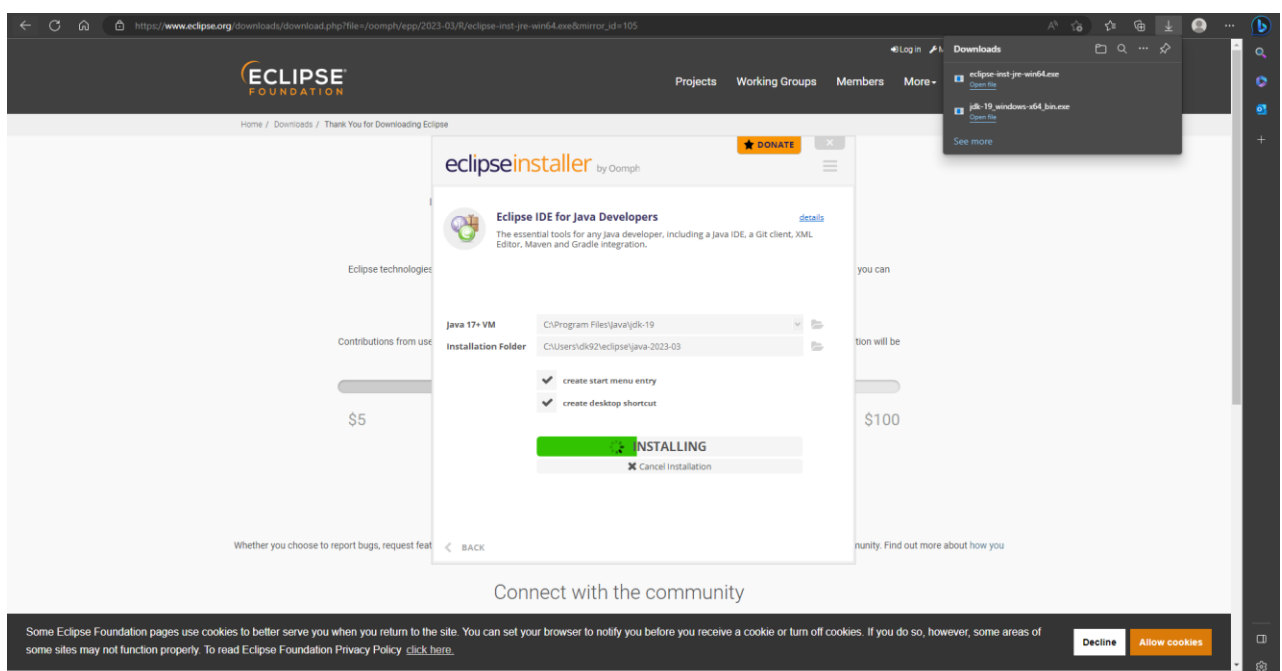
Assignment 1- Working with JUnit.docx.txt

In this Assignment, we need to write a java class which calculates the Square root of an integer and test the code using Junit using Eclipse IDE:
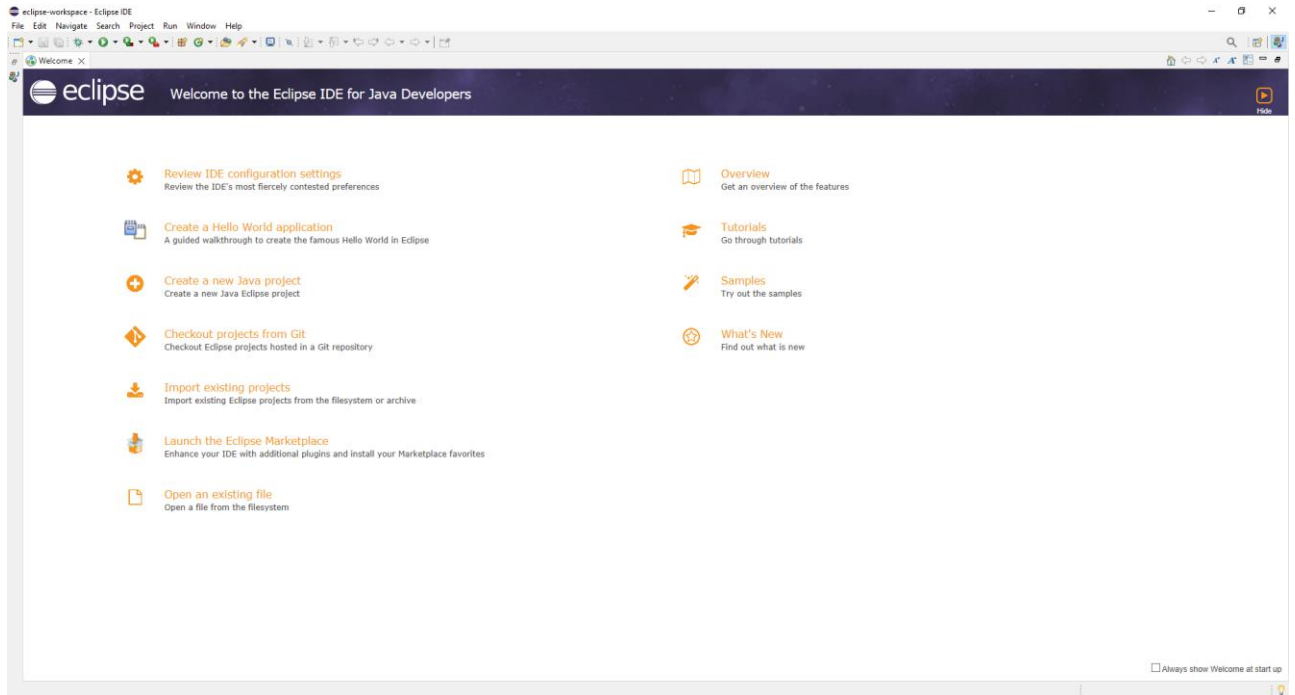
1. Installing jdk on Local machine:

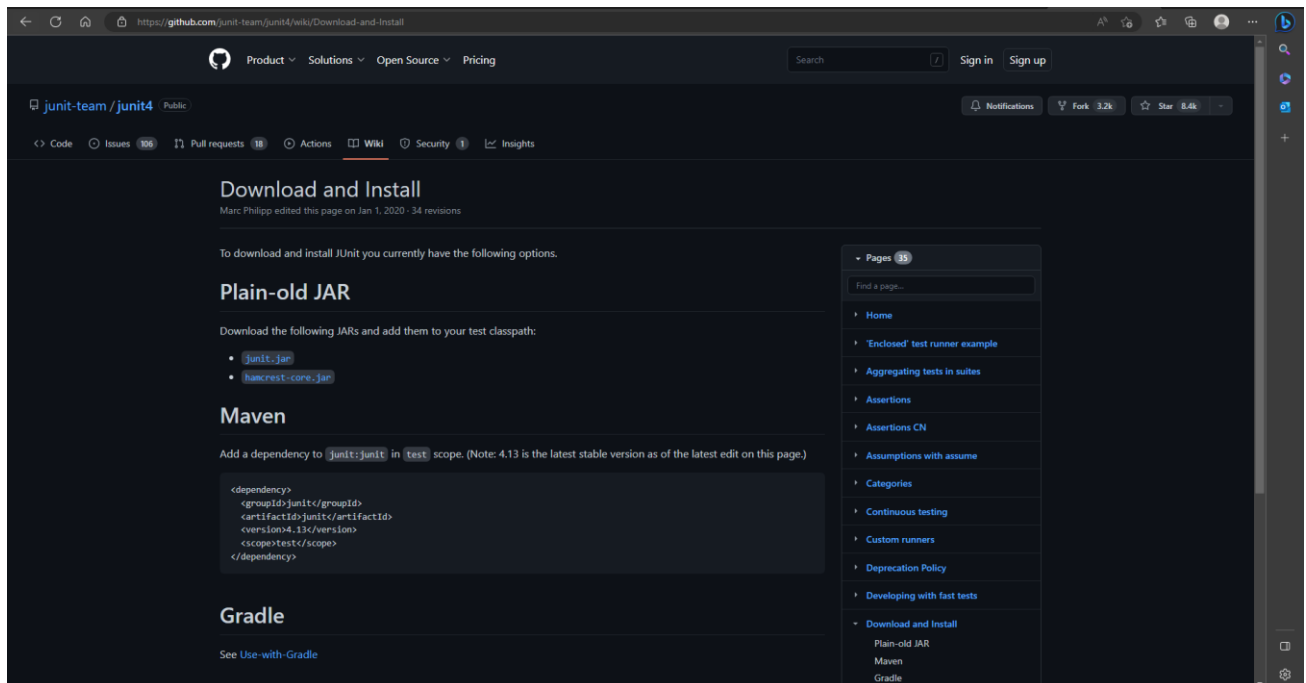2. Now Installing Java eclipse IDE on local Machine under java development kit:
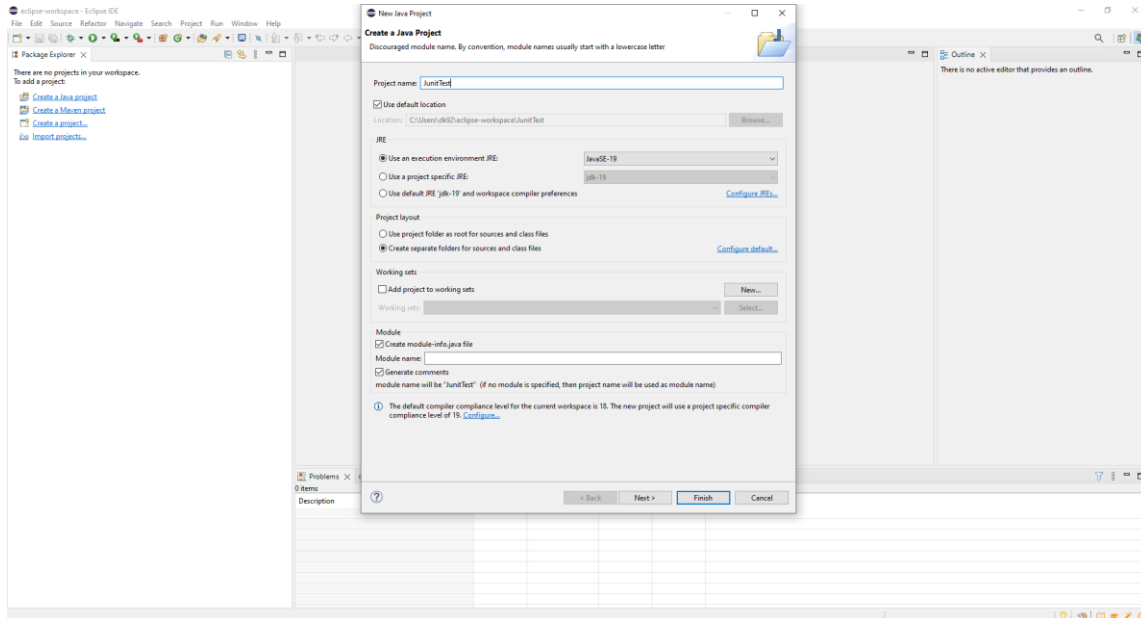- Official Website: https://www.eclipse.org/

3. Downloading Junit jar files for Testing Java Code:
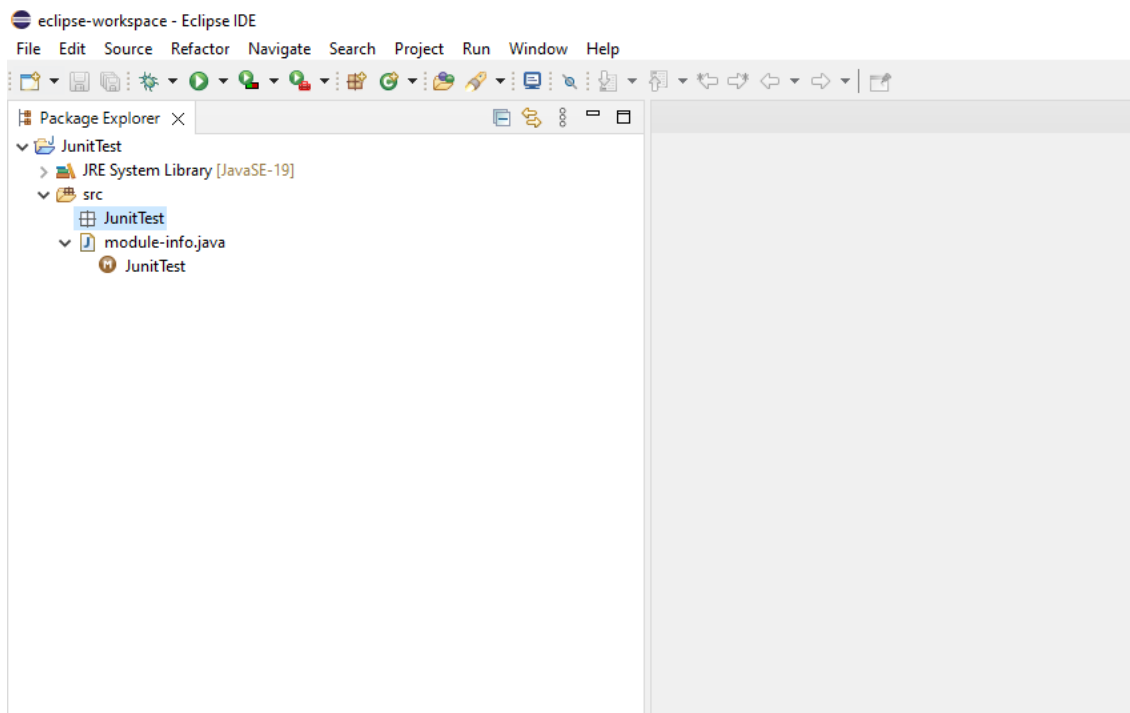- Official website: https://junit.org/

Getting Started with Project

1. Creating a New Java Project and name it as Junit Test
   - Open eclipse IDE→ Select create new java project
   - Give project name as JunitTest → Click on finish.

2. Creating a Java Package names as JunitTest:
- Select JunitTest right click → create new java package as JunitTest →Click on finish

3. Create a New Java Class and name it as JunitTesting
   - Right click on JunitTest project → select new → java class as JunitTesting
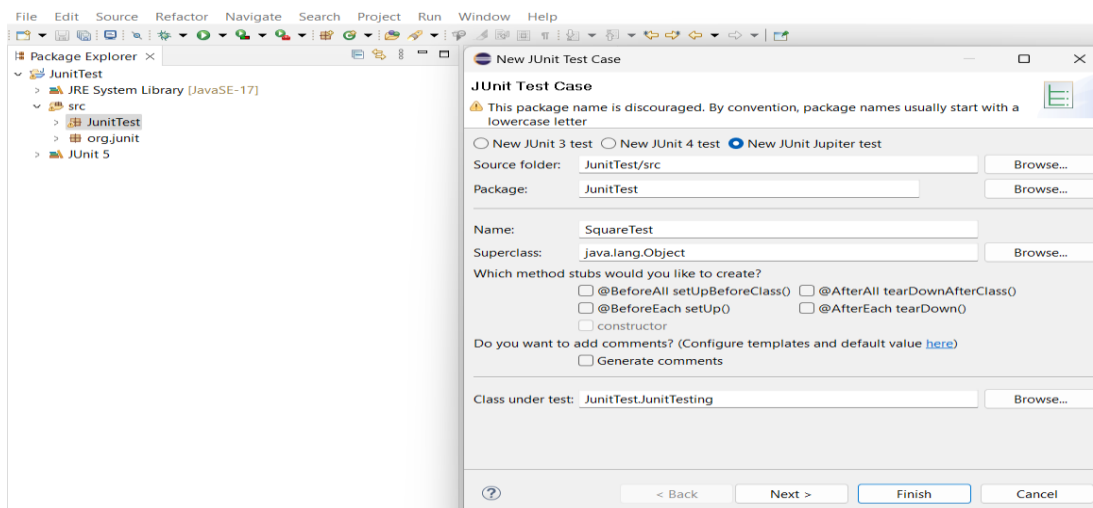   - Where we can add default public static void main(string[] args) .
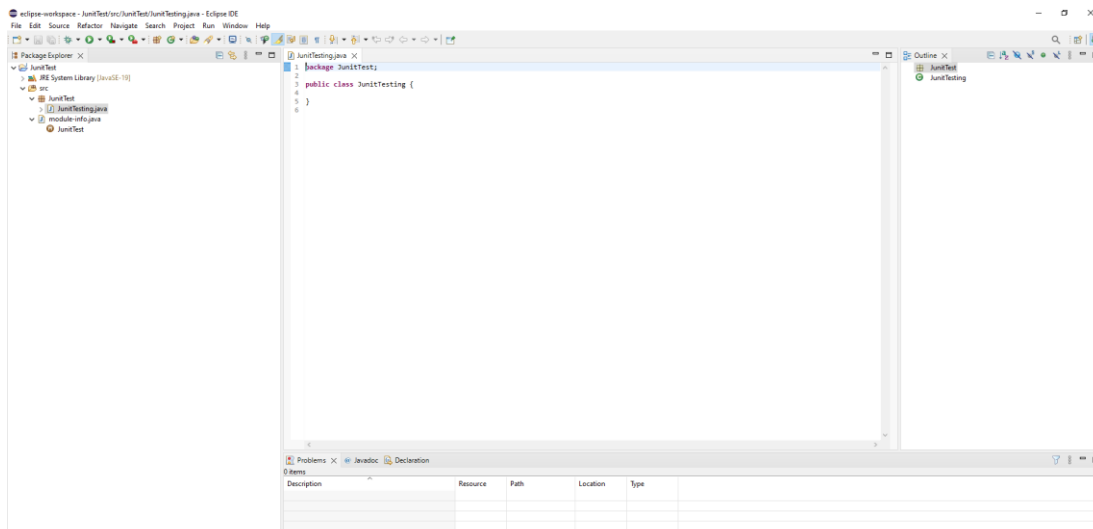
4. Writing a Java Class Method which gives the square value of an integer
   - Write java code for square of given number.
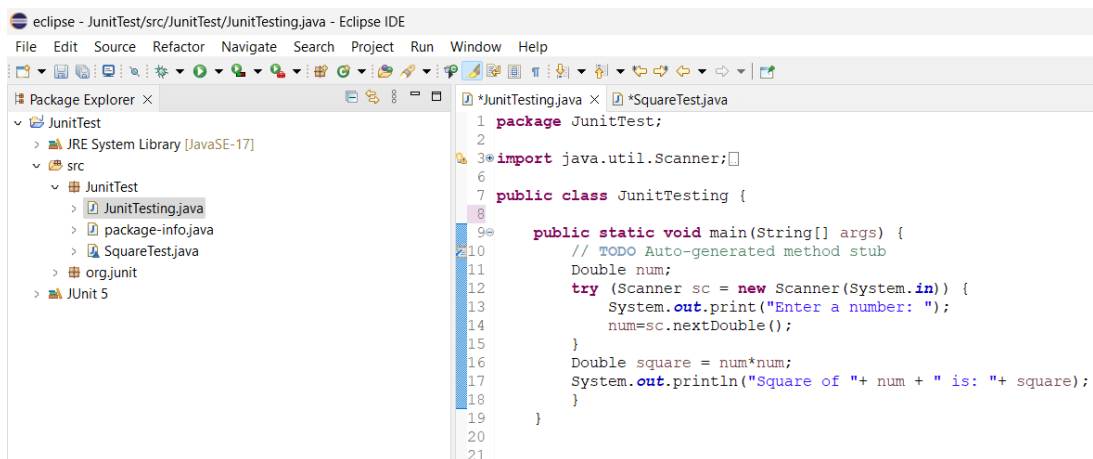
5. Click on JunitTest package and create a new Junit Test case and name it as SquareTest:
   - Right click on JunitTest package → new → create Junit test case as SquareTest.

6. Check if code is working fine without any errors my modifying the output values and check the results

   - After creating SquareTest test case there will be added @Test annotation automatically.
   - Copy java code into @Test annotation block.
   - Right click on code and run test case or on top of the IDE run option is available.
   - Running the code and Its green and running fine.
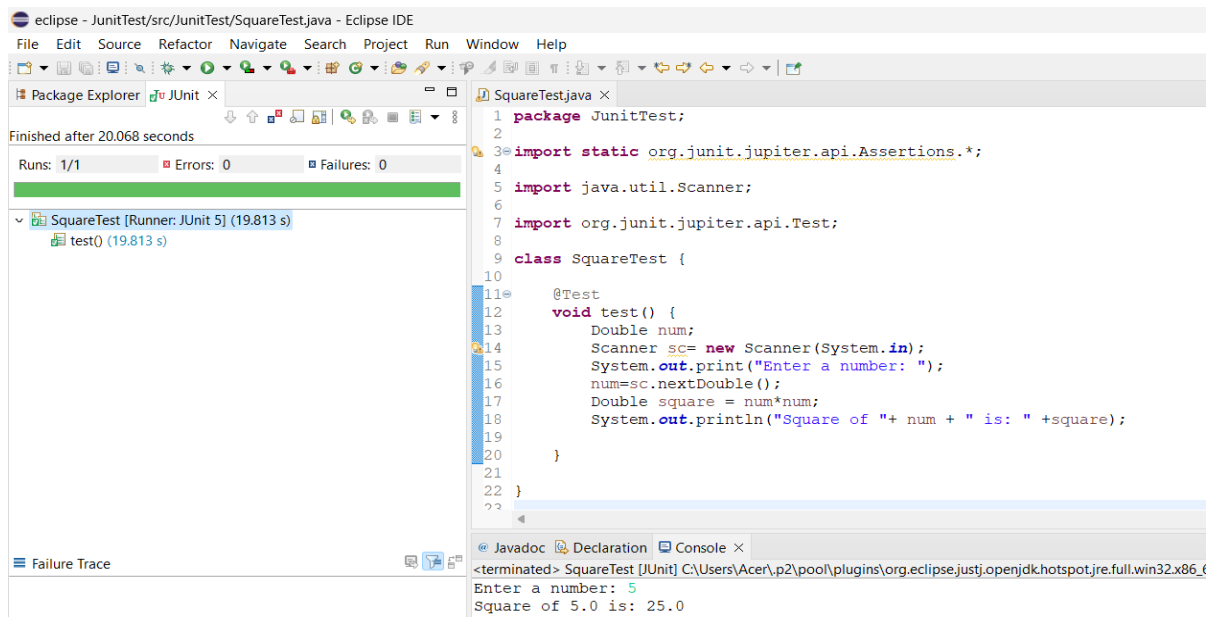
7. Here removed semi colon from line number 17 For the purpose of checking errors and it shows the error at line 17:
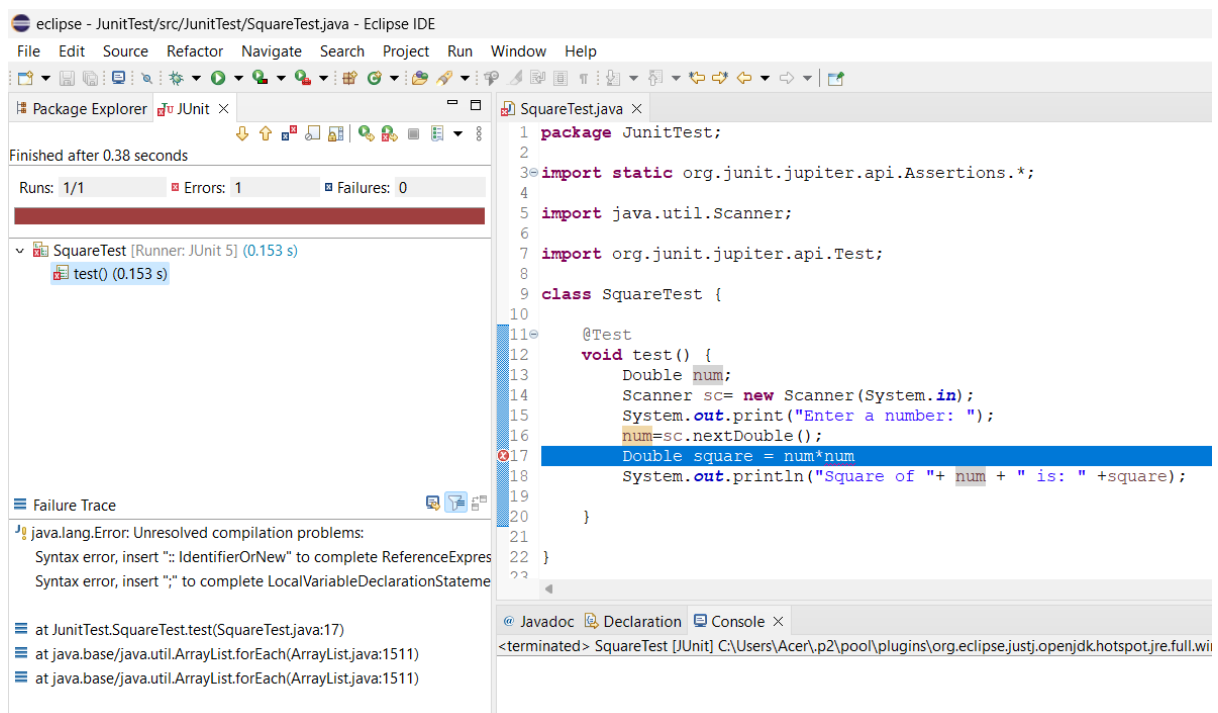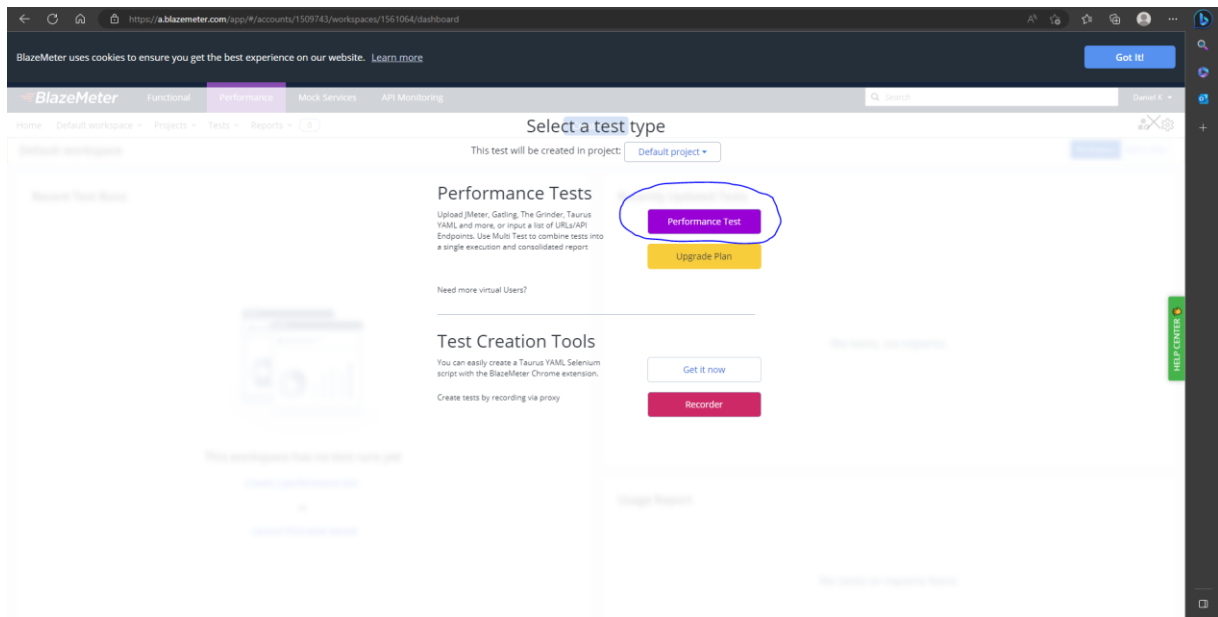
Assignment 2-Working with BlazeMeter.docx.txt

In this Assignment, we need to create a simple URL/API Performance test from the BlazeMeter UI and create a report.
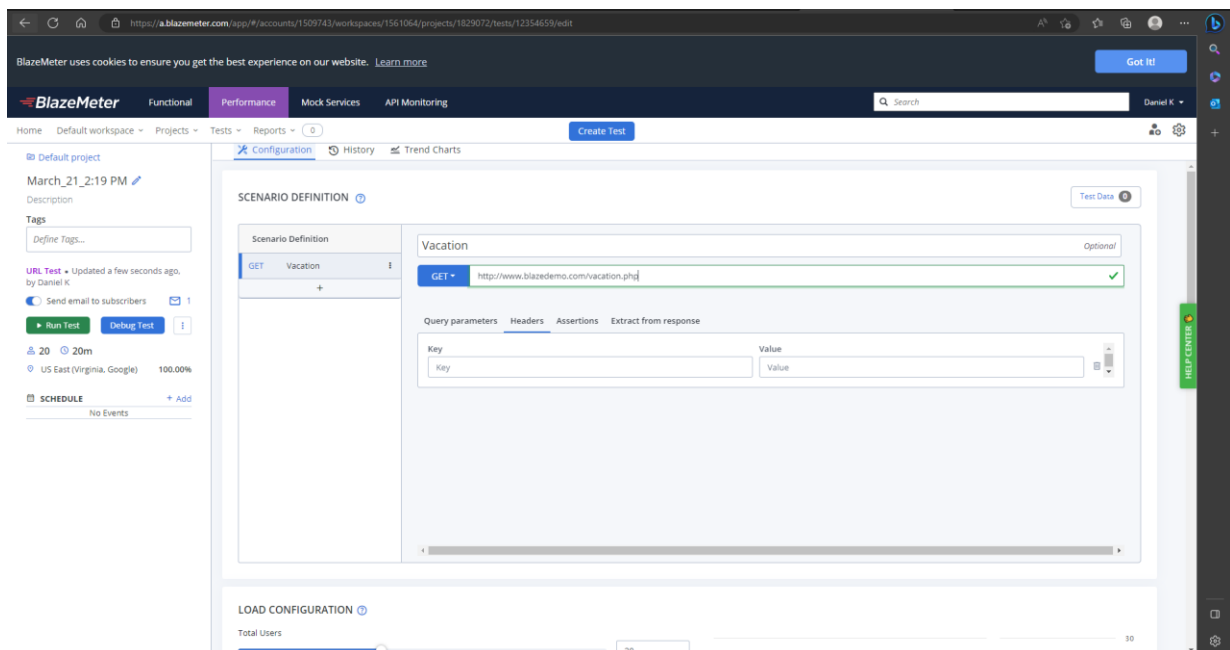
1. Here is the Official Website for BlazeMeter: **https://www.blazemeter.com/**
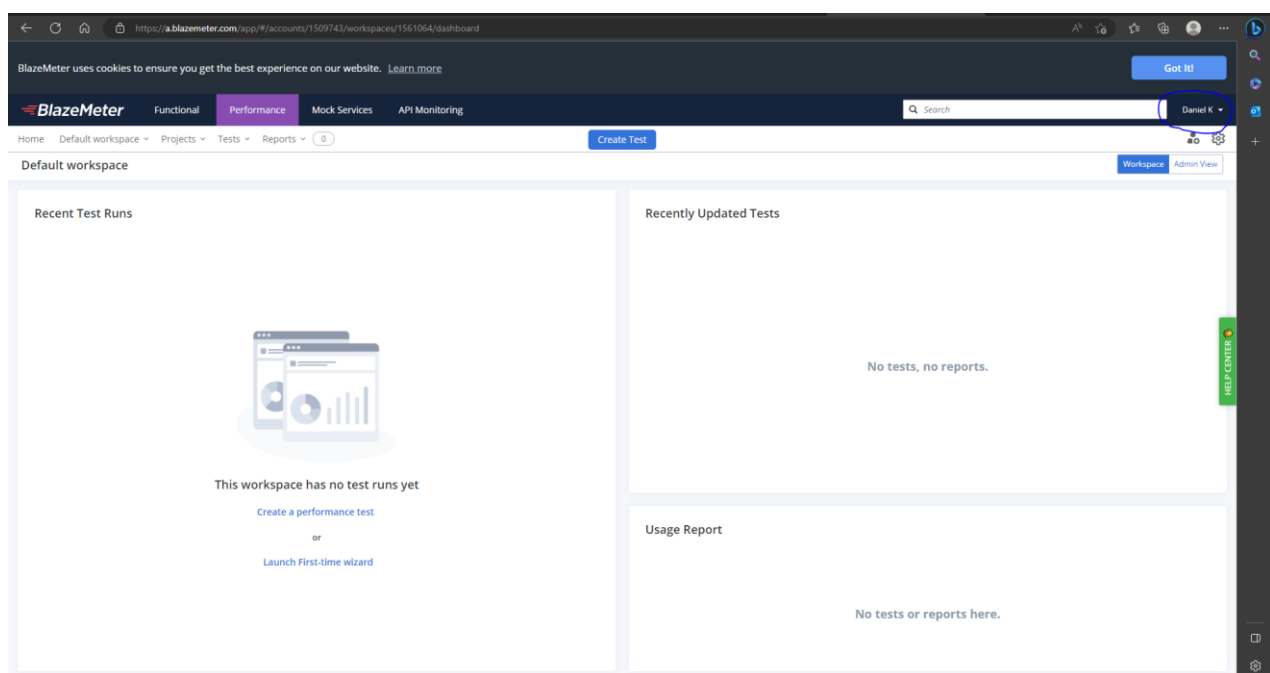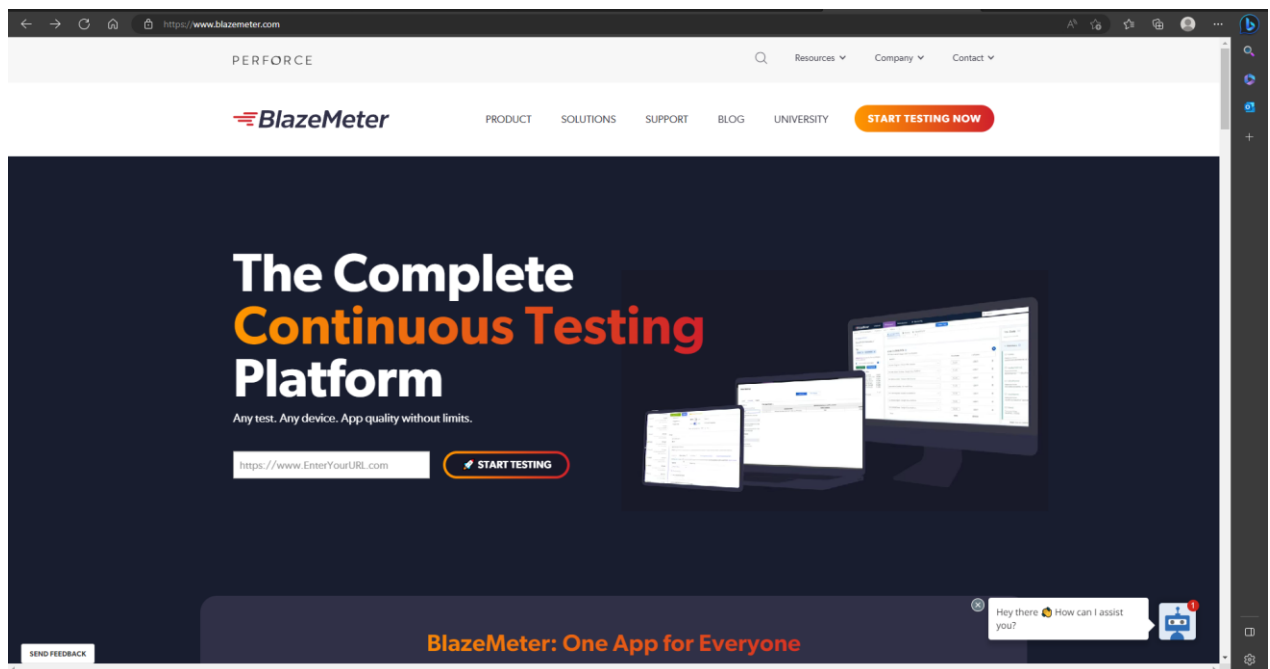
2. Create new Test:
   - Under performance click on Create Test → select Performance Test

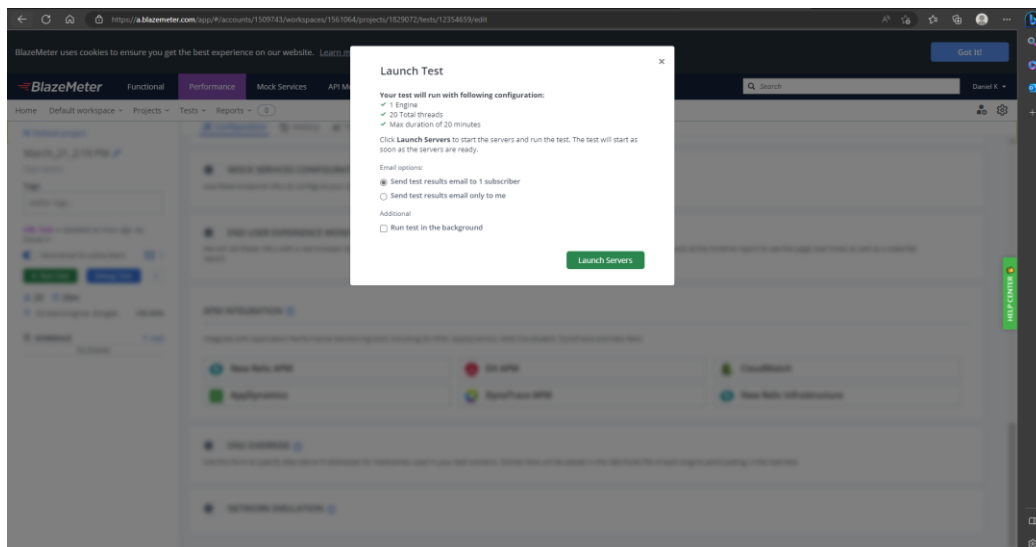- In Request Name give Vacation →Adding the given URL in URL location (URL: http://www.blazedemo.com/vacation.php)
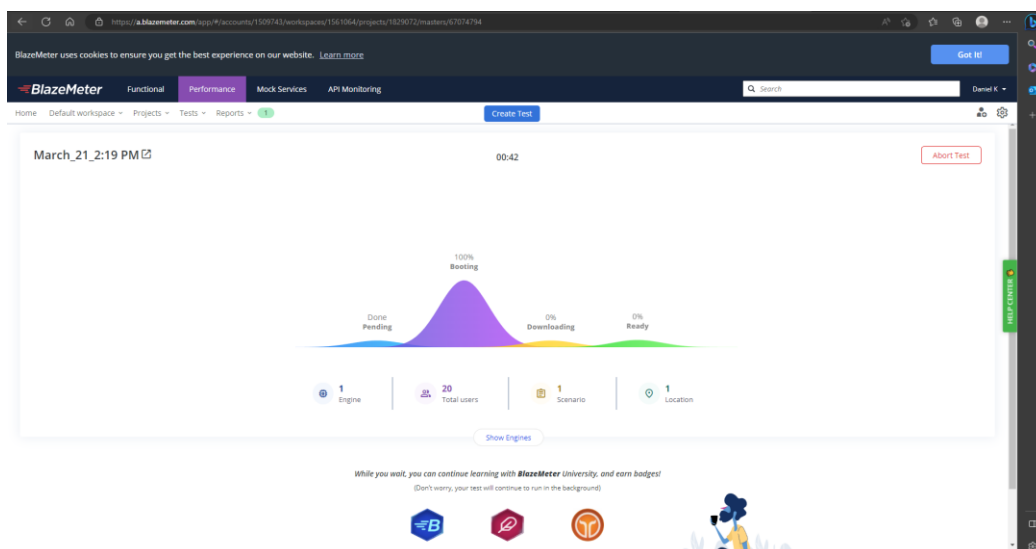

1. Configuration:
   - Under Load Configuration choosing the below values → Under Load Distribution choosing default locations and % of traffic.
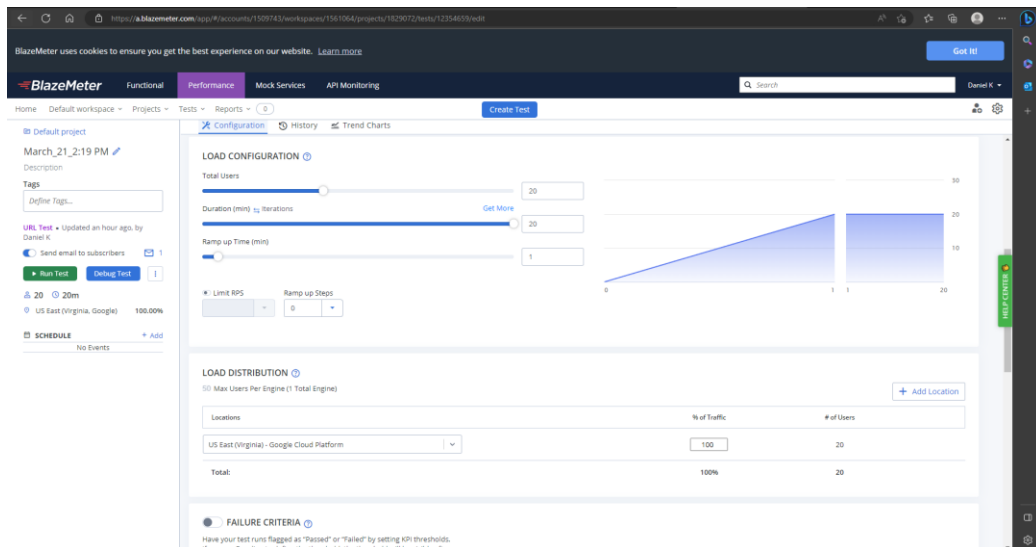
- Click on Start test button on the left side. You would be prompted to confirm the test, choose Launch Servers Button.
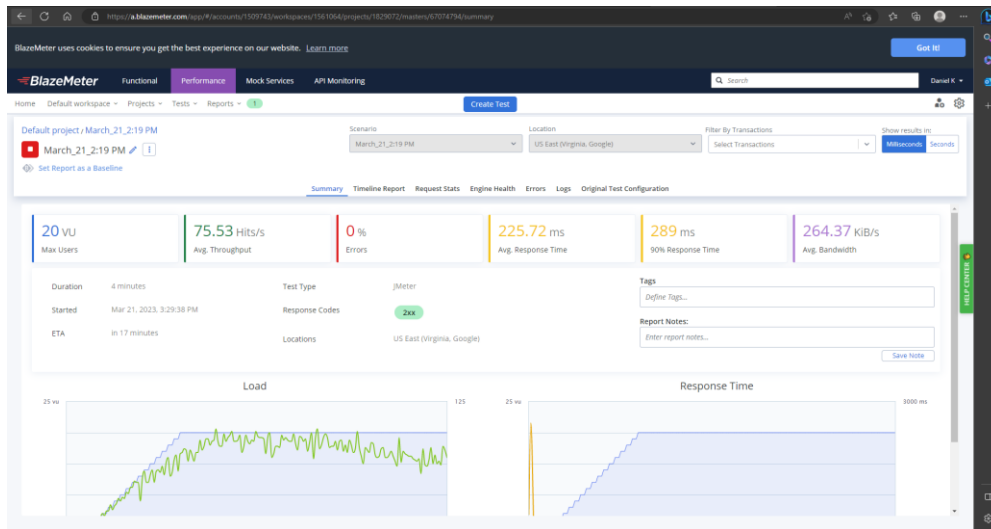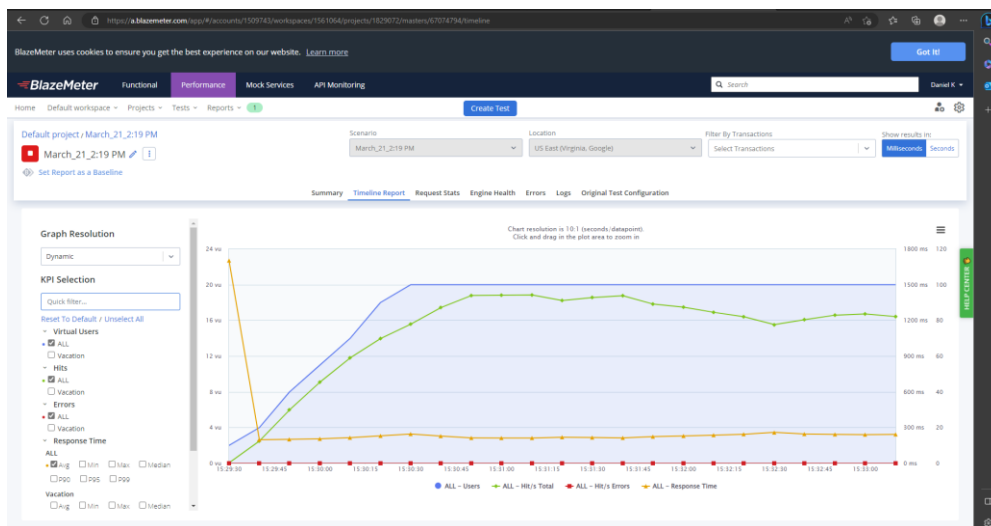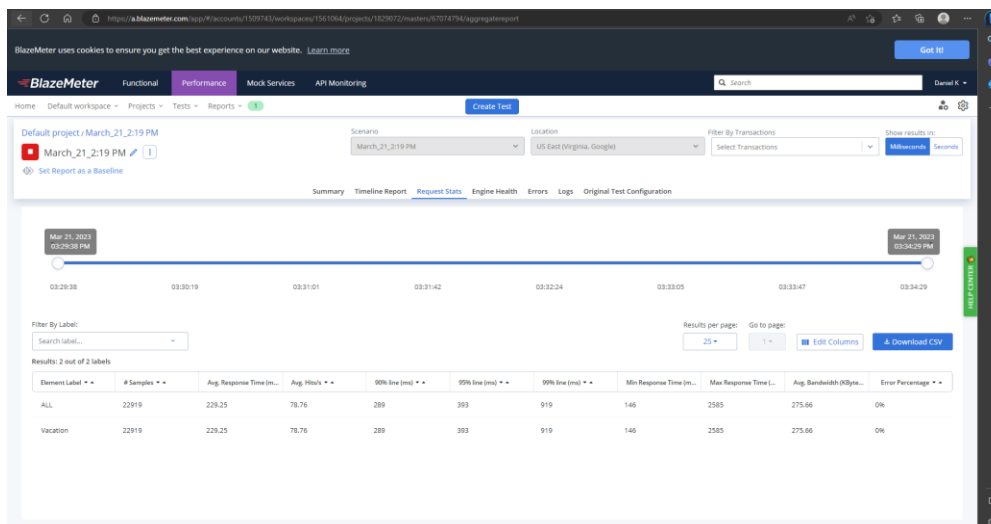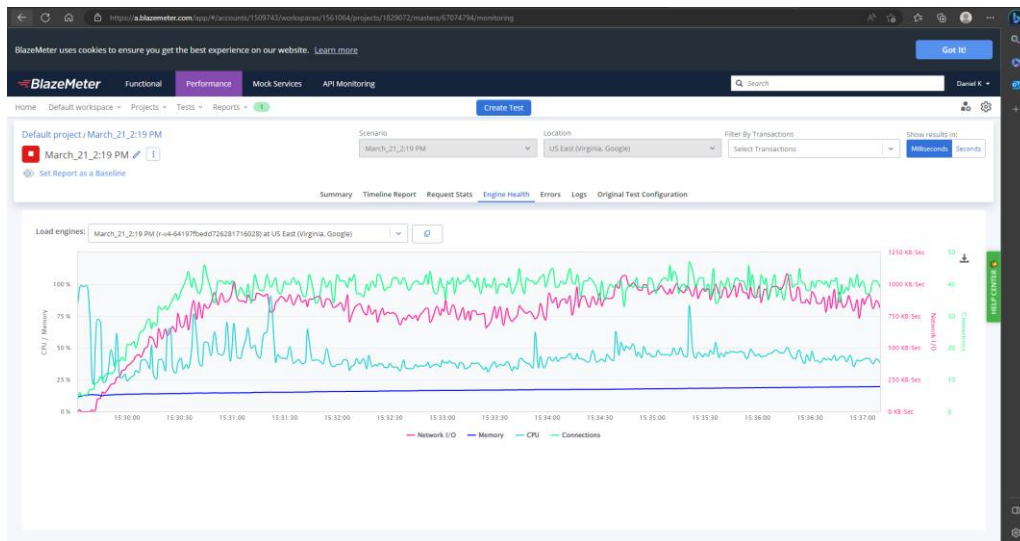

- Launching:

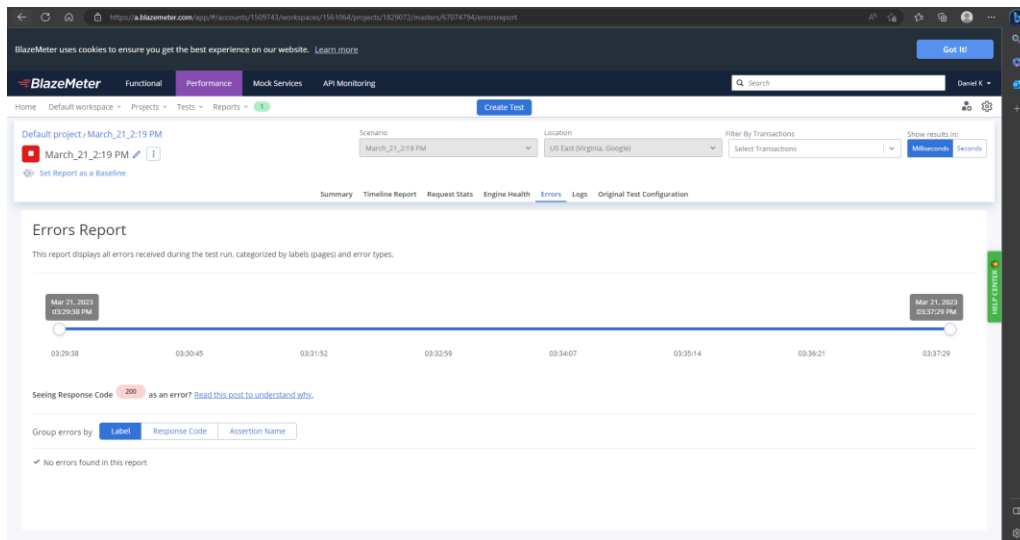3. Observe the results:
   - Result Summary

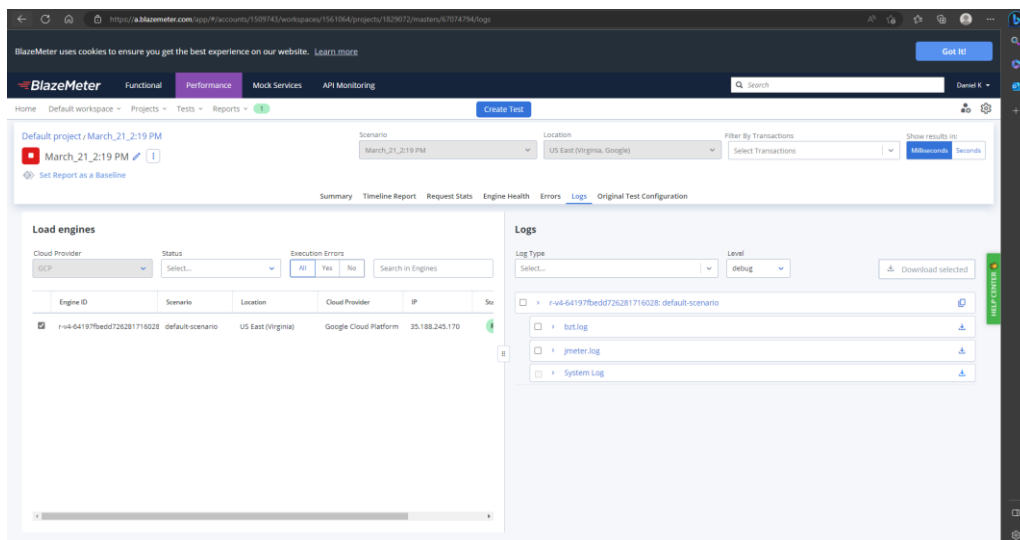   - TimeLine Report

   - Request Status

- Engine Health

- Errors Report

- Logs

- Original Test Configuration