ISLAMIC UNIVERSITY OF TECHNOLOGY(IUT)
Department of Computer Science and Engineering (CSE)
CSE 4604: Software Testing & Quality Assurance Lab
Lab 8

Objective:
- Introduction to JMeter
- Learn to create JMeter Components

Instructions: For individuals on the Sample-Book API (check the given pdf as a reference). Add screenshots of your JMeter application showing the details of actions.

- Create a thread group with 10 users and a ramp-up period of 2 seconds; keep the loop count to 1.
- Create **Five** different samplers:
    a. GET for api status: simple-books-api.glitch.me/status
    b. GET for all books: simple-books-api.glitch.me/books
    c. GET for specific type of books:
        - simple-books-api.glitch.me/books?type="fiction"
        - simple-books-api.glitch.me/books?type="non-fiction"
    d. GET for a specific book: simple-books-api.glitch.me/books/:bookId
- Write assertions:
    a. **GET for api status**: returns 200 status and an "Ok" message.
    b. **POST for creating a user**: 201 status and a "Created" message.
- Add Listeners of the result tree, response table.
- Then run the test plan.

Caution: For post /api-clients remember to add the double quotation in the saved value, add HTTP header Manager and add the name: Content-Type with value: application/json before sending the request