# Experiment 2: helloworld

**Coding is needed. But no code submission is required.**

**Convert to PDF before uploading.**

Related project description:

https://fxlin.github.io/p3-tee/quickerstart/

https://fxlin.github.io/p3-tee/helloworld/

## Context & Sessions (20%)

Use 1-2 sentences for each question below.

1. What is a TEE "context"? Explain the purpose of this object.
2. In one CA, how many TEE contexts can be simultaneously alive (i.e. initialized but not finalized)? You can determine this with a small experiment, e.g. keep creating TEE contexts until the creation fails.
3. In one context, how many sessions can be opened simultaneously? You can determine this with a small experiment, e.g. keep creating TEE sessions in the same context until the creation fails.

You may need to write some experiment code to validate your answers above. Just state your observations.

## Change helloworld (40%)

The code description: https://fxlin.github.io/p3-tee/helloworld/#app-1-helloworld

Change the source code: if the resultant value (i.e. after incrementing or decrementing) is NOT in the range of [0, 100], TA should return an error to the CA.

How did you implement the above logic? In space below, paste the **key** lines you added/modified, which should not be more than 20 lines (10%)

How do you verify that your code works properly? E.g. what values does CA send to TA? Does your CA print an error code returned by the TA? Attach a screenshot to prove it. (30%)