Courses   Unit   Assignment   Stats   Take Exams
                                Checklist

Python v22.1 (Online Part-time)

‹   🐢 Flask   ›

Flask Fundamentals   ▲

📙 Overview   ✓
📙 Virtual Environments   ✓
📙 Hello Flask   ✓
📙 Routes   ✓
🔀 Knowledge Check: ✓
    Flask Basics
🐍 Understanding Routing   ✓
📙 Rendering Views   ✓
📙 Template Engines   ✓
🔀 Knowledge Check: ✓
    Views and Template
    Engines
✏️ Playground   ✓
📙 Static Files   ✓

Core | Deadline: Sunday of Week 4 | Difficulty Level: Basic | Est. Time: 1 - 2 hrs
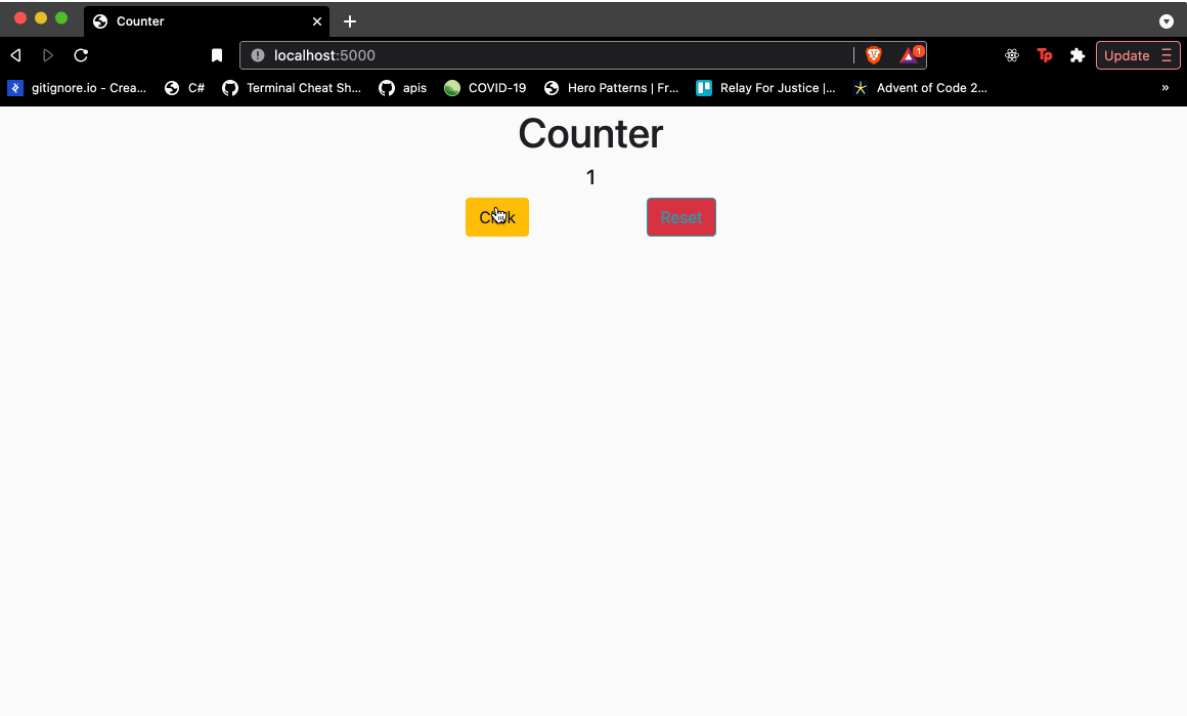
Assignment: Counter

Welcome to another Core assignment! Some students like to explore the assignments before they're finished reading through the lessons, and that's okay! It can be good for your brain to have a preview of what your future challenges might be. However, before you begin this assignment, it's important that you've first:
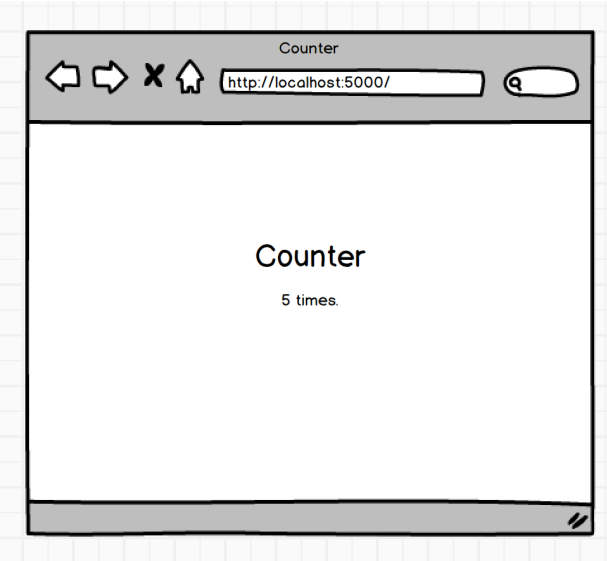
- Completed the preceding lesson modules
- Taken the knowledge checks to confirm your understanding
- Viewed lecture material related to the assignment topics
- Completed and submitted your practice assignments

Now, the Assignment:

Build a flask application that counts the number of times the root route ('/') has been viewed.

This assignment is to test your understanding of session.

As part of this assignment, please start with the following features first:

- **localhost:5000** - have the template render the number of times the client has visited this site
- **localhost:5000/destroy_session** - Clear the session. Once cleared, redirect to the root.
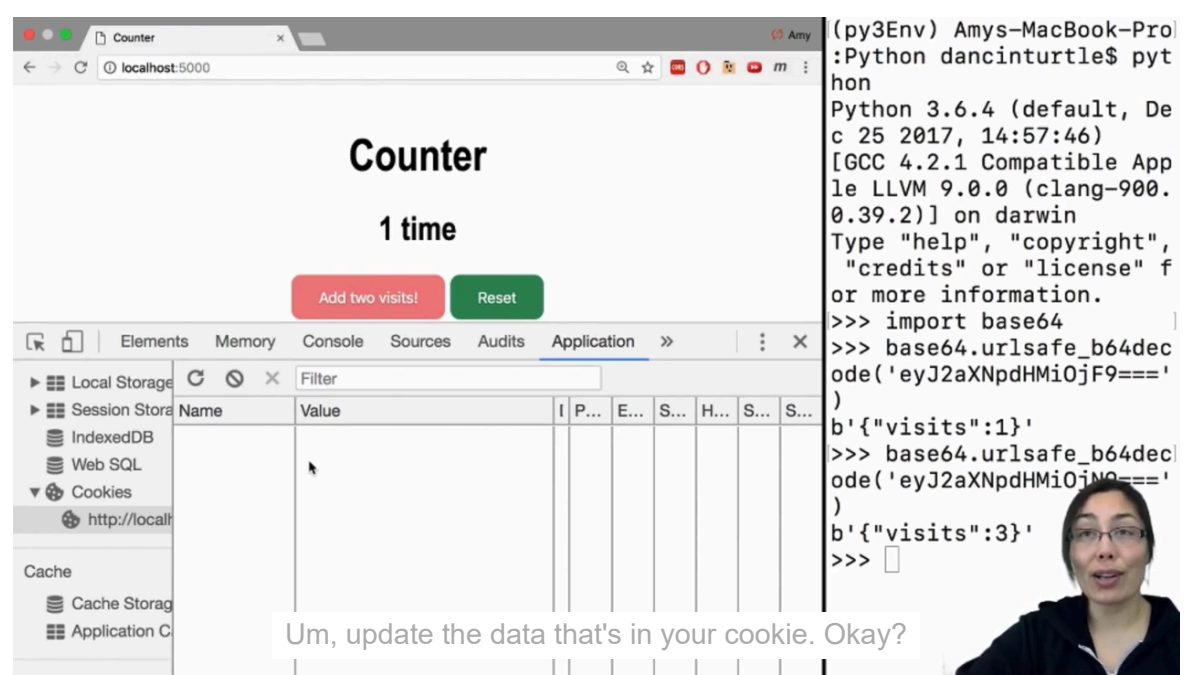
Some Helpful Tips

We can't increment something that doesn't exist! Here's how to check if a key exists in session yet:

```python
if 'key_name' in session:
    print('key exists!')
else:
    print("key 'key_name' does NOT exist")
```

If we want to get rid of what is currently stored in session:

```python
session.clear()          # clears all keys
session.pop('key_name')        # clears a specific key
```


Um, update the data that's in your cookie. Okay?

- [ ] Create a new Flask project called counter

- [ ] Have the root route render a template that displays the number of times the client has visited this site. Refresh the page several times to ensure the counter is working.

- [ ] Add a "/destroy_session" route that clears the session and redirects to the root route. Test it.

- [ ] NINJA BONUS: Add a +2 button underneath the counter and a new route that will increment the counter by 2

- [ ] NINJA BONUS: Add a Reset button to reset the counter

- [ ] SENSEI BONUS: Add a form that allows the user to specify the increment of the counter and have the counter increment accordingly

- [ ] SENSEI BONUS: Adjust your code to display both how many times the user has actually visited the page, as well as the value of the counter, given the above functionality

- [ ] SENSEI BONUS: Decode the cookie information as shown in the video

Submit

Note: Please Zip your file(s) before uploading.

Website URL | File Upload

Drag & drop your files
or Browse

Or   🔗 Type in a URL here   Save

Submit Assignment

Check Solutions

Previous   Next

Privacy Policy