Sam Anderson

COEN 241

Homework 2

11/7/21
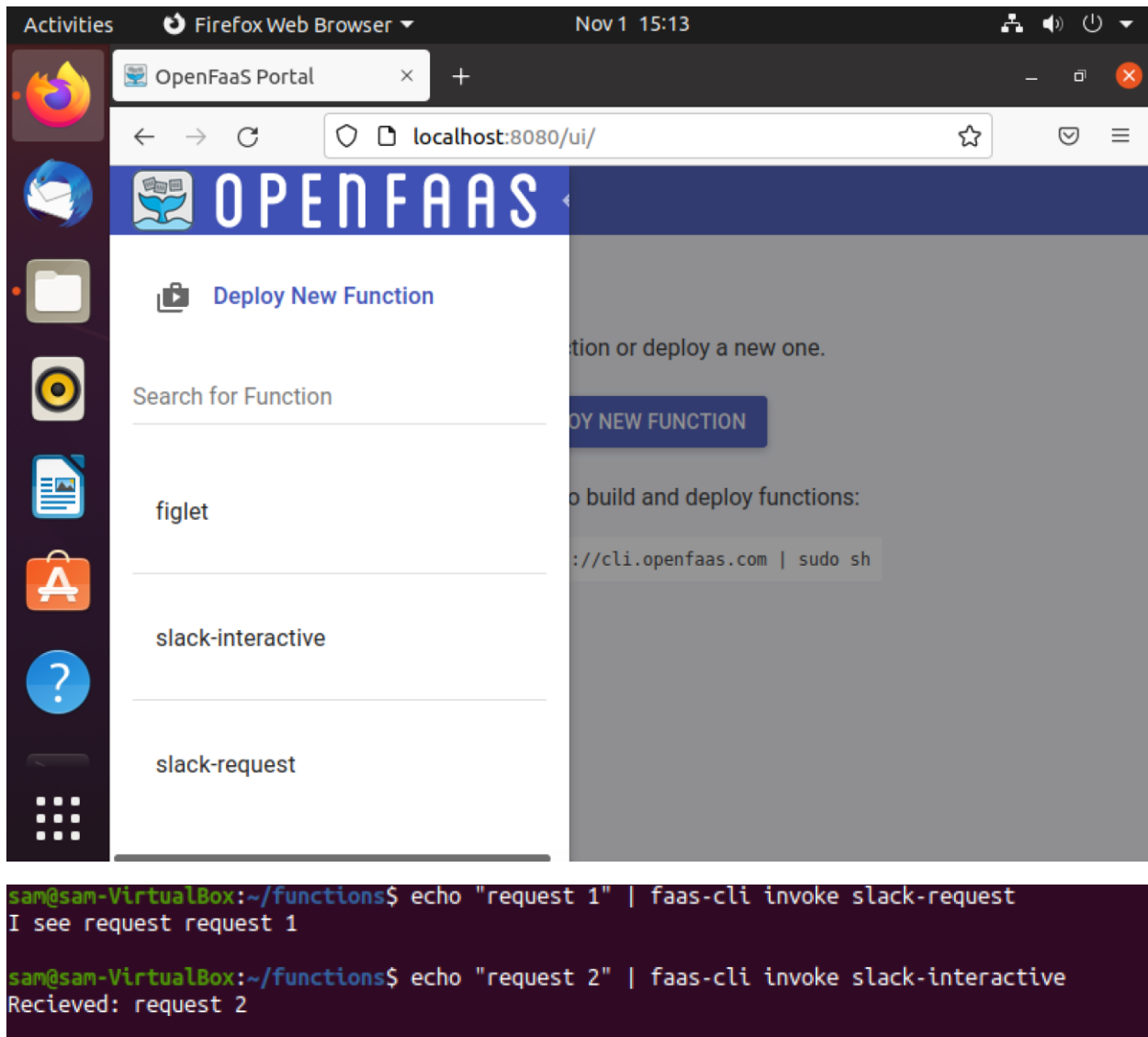

Logs Continued:

```
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 queue-worker ha>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 Task: queue-wor>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: Starting: basic-auth-plugin
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 Created contain>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 basic-auth-plug>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 Task: basic-aut>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: Starting: prometheus
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 Created contain>
Oct 26 10:23:57 sam-VirtualBox faasd[591]: 2021/10/26 10:23:57 prometheus has >
Oct 26 10:23:57 sam-VirtualBox faasd[591]: 2021/10/26 10:23:57 Task: prometheu>
Oct 26 10:23:57 sam-VirtualBox faasd[591]: Starting: gateway
Oct 26 10:23:57 sam-VirtualBox faasd[591]: 2021/10/26 10:23:57 Created contain>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 gateway has IP:>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Task: gateway  >
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Supervisor init>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Looking up IP f>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Looking up IP f>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver rebuil>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "loca>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "faas>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "nats>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "queu>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "basi>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "prom>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "gate>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 faasd: waiting >
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Proxy from: 0.0>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Proxy from: 127>
lines 14-41/41 (END)
```

Task 6 Questions:

1. Commands are:
  a. *curl -d "str" -X POST* *http://localhost:8080/function/slack-request*
    i. str can be any string
  b. *echo "str" | faas-cli invoke slack-request*
    i. Without the pipe operator, we can still type the fass-cli command, then type our input. After everything we want to be typed is typed and entered, Control+D gets our result.
    ii. str can be any string.
2. As programmed, the output simple returns a string starting with "I see request" then the request string is appended to get a sample output of "I see request *where this part is directly from the user*"
3. Commands are:
  a. *curl -d "str" -X POST* *http://localhost:8080/function/slack-interactive*

                i.   str can be any string

      b. *echo "str" | faas-cli invoke slack-interactive*

                i.   Without the pipe operator, we can still type the fass-cli command, then type our input. After everything we want to be typed is typed and entered, Control+D gets our result.

                ii.   str can be any string

4. As programmed, the output simple returns a string starting with "Received: " then the request string is appended to get a sample output of "Received *where this part is directly from the user*"

5. For all these functions, we can pass different inputs by changing entering any arbitrary string into in all placed labled with "str" in the commands above.

6. For the slack-interactive function, we can add logic around the API to interpret the input, then react depending on the input. For example if we want to count characters in a string, then say if it is long or not, we can use the python len() function, then if the length is less than 10 characters, we can say it is short, or long otherwise.