Assignment 2– COEN 241 (Cloud Computing)
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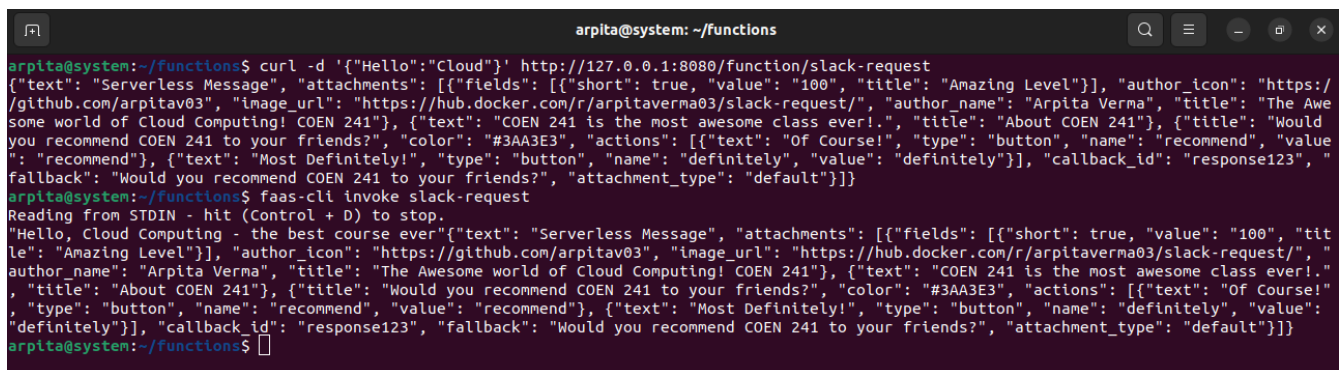# SCU ID: W1632653

<u>Answers to HW2 Questions</u>

1) **What is the command to invoke the slack-request function?**
   a) **Via Curl** : curl localhost:8080/function/slack-request -d {}
   b) **Via faas-cli** : - faas-cli invoke slack-request

2) **What is the output you see when you invoke the slack-request function?**

3) **What is the command to invoke the slack-interactive function?**
   a) **Via curl** : curl localhost:8080/function/slack-interactive -d {}
   b) **Via faas-cli** : faas-cli invoke slack-interactive

4) What is the output you see when you invoke the slack-interactive function?

5) How would you pass different arguments to the functions?

Ans: The functions can receive either JSON or text as arguments, and that the JSON payload can be modified as needed. Modifications to the payload can be made by altering the values of keys in the JSON object. If the function is designed to accept plain text, the content-type needs to be set correctly in the YAML file to indicate that the payload is plain text. It is important to ensure that the payload is correctly formatted and matches the expected format in order to ensure that the function can process the request correctly.

6) How would you change the slack-interactive function to react to different inputs?

Ans. The Slack-Interactive function accepts requests in either text or JSON format using the code in the handler.py file. The unquote function, which is part of the urllib package, is used to decode strings into URLs with a default encoding of UTF-8. The json.load() method is then used to convert valid JSON strings into Python dictionaries, which are saved in the response variable. Although the response variable is not currently being used, it can be utilized within the data object to react to different inputs. By incorporating different Slack objects such as buttons, checkboxes, and links in the form of JSON code, we can create various interactive options in the Slack bot responses. When we return json.dumps(data),

the function will start to respond to different inputs.