1. What is the command to invoke the slack-request function?

a. Via Curl

curl -d '{"Hello"}' http://127.0.0.1:8080/function/slack-request

b. Via faas-cli

faas-cli invoke slack-request

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

Slack-request output:

{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazing Level"}], "author\_icon": "", "image\_url": "https://github.com/manasibendale.png", "author\_name": “Manasi “Bendale, "title": "The Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is the most awesome class ever!.", "title": "About COEN 241"}, {"title": "Would you recommend COEN 241 to your friends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "recommend", "value": "recommend"}, {"text": "Most Definitely!", "type": "button", "name": "definitely", "value": "definitely"}], "callback\_id": "response123", "fallback": "Would you recommend COEN 241 to your friends?", "attachment\_type": "default"}]}

3. What is the command to invoke the slack-interactive function?

a. Via curl

curl -d '{"Hello":"Cloud"}' http://127.0.0.1:8080/function/slack-interactive

b. Via faas-cli

faas-cli invoke slack-interactive

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

Slack-interactive output:

{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author\_link": "https://github.com/manasibendale/cloud-computing.git", "color": "#36a64f", "text": "Head over to COEN 241", "title": "COEN 241", "ts": 123456789, "author\_name": "", "title\_link": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "image\_url": "https://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-toolkit/logos-amp-seals/Mission-Dont3.png", "response\_type": "ephemeral", "replace\_original": true, "footer\_icon": "https://a.slack-edge.com/45901/marketing/img/\_rebrand/meta/slack\_hash\_256.png", "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!", "fallback": "Required plain-text summary of the attachment.", "thumb\_url": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "author\_icon": "https://github.com/manasibendale.png"}]}

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

a) Different arguments can be paased to function by using the "echo" command.

Example: echo “Hello, FaaS, World” | faas-cli invoke figlet

We have invoked the figlet function using the above command with the argument to

the function that is, “Hello,FaaS World”.

b) We can also pass arguments from OpenFaas Portal from the Request Body section.

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

The urllib package contains the unquote function which can be used to decode any string into a URL using the default encoding of UTF-8. The json.load() method is then used to convert a valid JSON string (like urlstring) into a Python dictionary, which is stored in the response variable. While the response is not used in the code, it can be

utilized to update the slack-interactive function to respond differently to various inputs. Since response is also a Python dictionary, it can be used inside the data dictionary. By returning json.dumps(data), the function can respond to different inputs.