1. What is the command to invoke the slack-request function (4 pts)?

a. Via Curl

b. Via faas-cli

Ans: Via curl -curl -d '{"Hello":"COEN 241"}'

http://127.0.0.1:8080/function/slack-request

Via faas-cli–faas-cli invoke slack-request

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

stutijani@stutijani-GP63-Leopard-8RF:~/functions$ faas-cli invoke slack-request
Reading from STDIN - hit (Control + D) to stop.
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "
Amazing Level"}], "author_icon": "", "image_url": "https://github.com/stutijani12.png", "author_name"
: "Stuti Jani", "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 y
our friends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "reco
mmend", "value": "recommend"}, {"text": "Most Definitely!", "type": "button", "name": "definitely", "
value": "definitely"}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to yo
ur friends?", "attachment_type": "default"}]}
stutijani@stutijani-GP63-Leopard-8RF:~/functions$ ^C
stutijani@stutijani-GP63-Leopard-8RF:~/functions$ faas-cli invoke slack-interactive
Reading from STDIN - hit (Control + D) to stop.
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "
Amazing Level"}], "author_icon": "", "image_url": "https://github.com/stutijani12.png", "author_name"
: "Stuti Jani", "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 y
our friends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "reco
mmend", "value": "recommend"}, {"text": "Most Definitely!", "type": "button", "name": "definitely", "
value": "definitely"}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to yo
ur friends?", "attachment_type": "default"}]}
stutijani@stutijani-GP63-Leopard-8RF:~/functions$

value": "definitely"}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to yo
ur friends?", "attachment_type": "default"}]}
stutijani@stutijani-GP63-Leopard-8RF:~/functions$ curl -d '{"Hello":"COEN 241"}' http://127.0.0.1:808
0/function/slack-request
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "
Amazing Level"}], "author_icon": "", "image_url": "https://github.com/stutijani12.png", "author_name"
: "Stuti Jani", "title": "The Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is the
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our friends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "reco
mmend", "value": "recommend"}, {"text": "Most Definitely!", "type": "button", "name": "definitely", "
value": "definitely"}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to yo
ur friends?", "attachment_type": "default"}]}

3. What is the command to invoke the slack-interactive function? (4 pts)

a. Via curl

b. Via faas-cli

Ans: Curl -curl-d '{"Hello": "COEN 241"}'

http://127.1.0.1:8080/function/slack-interactive

 faas-cli–faas-cli invoke slack-interactive

4. What is the output you see when you invoke the slack-interactive function? (2 pts)

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stutijani@stutijani-GP63-Leopard-8RF:~/functions$ faas-cli invoke slack-request
Reading from STDIN - hit (Control + D) to stop.
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "
Amazing Level"}], "author_icon": "", "image_url": "https://github.com/stutijani12.png", "author_name"
: "Stuti Jani", "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 y
our friends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "reco
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value": "definitely"}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to yo
ur friends?", "attachment_type": "default"}]}
stutijani@stutijani-GP63-Leopard-8RF:~/functions$ ^C
stutijani@stutijani-GP63-Leopard-8RF:~/functions$ faas-cli invoke slack-interactive
Reading from STDIN - hit (Control + D) to stop.
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "
Amazing Level"}], "author_icon": "", "image_url": "https://github.com/stutijani12.png", "author_name"
: "Stuti Jani", "title": "The Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is the
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our friends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "reco
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value": "definitely"}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to yo
ur friends?", "attachment_type": "default"}]}
stutijani@stutijani-GP63-Leopard-8RF:~/functions$
```

```
ur friends?", "attachment_type": "default"}]}
stutijani@stutijani-GP63-Leopard-8RF:~/functions$ curl -d '{"Hello":"COEN 241"}' http://127.0.0.1:808
0/function/slack-interactive
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "
Amazing Level"}], "author_icon": "", "image_url": "https://github.com/stutijani12.png", "author_name"
: "Stuti Jani", "title": "The Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is the
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our friends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "reco
mmend", "value": "recommend"}, {"text": "Most Definitely!", "type": "button", "name": "definitely", "
value": "definitely"}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to yo
ur friends?", "attachment_type": "default"}]}
stutijani@stutijani-GP63-Leopard-8RF:~/functions$
```

5. How would you pass different arguments to the functions? (4 pts)

Ans: One of the ways of passing arguments to function is as follows:

Curl -curl-d '{"Hello": "COEN 241"}' http://127.1.0.1:8080/function/slack-interactive
 This command sends the specified data in a POST request to HTTP server.

One more way to is by using echo command:

echo "Hello,Faas World" | faas-cli invoke figlet

Here we are invoking the figlet function using faas-cli and the argument given to the function is " Hello, Faas World".

One more way is passing arguments via the openfaas UI.

6. How would you change the slack-interactive function to react to different inputs? (4 pts)

Ans: We can see that urllib is a package in which the unquote function is defined in handler.py. IT can be used to decode any string into a URL. The default encoding is UTF-8. We utilize the json.load() method to transform a valid JSON string, such as urlstring, into a Python dictionary. This information is saved in the response. Using

the answer in our program, we can update the slack- interactive function to react to different inputs. We can use the response to be utilized inside the data because it is also a python dictionary. When we return json.dumps(data) the function will begin to react to various inputs.