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## Homework 2: Questions

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

- `curl localhost:8080/function/slack-request`
- `faas-cli invoke slack-request`

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

```
{
  "text": "Serverless Message",
  "attachments": [
    {
      "fields": [
        {
          "short": true,
          "value": "100",
          "title": "Amazing Level"
        }
      ],
      "author_icon": "",
      "image_url": "https://i.pining.com/236x/aa/63/bd/aa63bdac364b4c3451d41afcb4e45ff7c--kawaii-cat-kawaii-anime.jpg",
      "author_name": "amanda taylor",
      "title": "The Awesome world of Cloud Computing! COEN 241",
      "text": "COEN 241 is the most awesome class ever!.",
      "title": "About COEN 241",
      "text": "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"
    }
  ]
}
```

*It is the JSON data defined in the handler.py of slack-request folder.*

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

- `curl localhost:8080/function/slack-interactive -d '{<input json here>}'`
- `faas-cli invoke slack-interactive`  
(then it will read from stdin, and you can input without quotes some json)

### 4. What is the output of invoking the slack-interactive function?

```
{
  "attachments": [
    {
      "footer": "Slack Apps built on OpenFaas",
      "author_link": "https://github.com/amanda-rito/coen241-hw2",
      "color": "#36a64f",
      "text": "Head over to COEN 241",
      "title": "COEN 241",
      "ts": 123456789,
      "author_name": "",
      "title_link": "https://www.scu.edu/engineering/academic-programs/departments-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/departments-of-computer-engineering/graduate/course-descriptions/",
      "author_icon": "avatars.githubusercontent.com/u/44073711?v=4"
    }
  ]
}
```

*It is the JSON data defined in the handler.py of the slack-interactive folder.*

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

You can pass different arguments by changing what you pass in (?). For example, in slack-interactive, pass whatever different JSON you would like in the space that I showed in step 3.

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

I don't really know what this question is asking but I am reading it as 'how to get / use different inputs'.

`json.loads()` converts JSON data to a python dictionary. So you could do anything with the data by doing something like this, as a modification of the skeleton code:

```
urlstring = urllib.unquote(req).decode('utf8').strip('payload=')
response = json.loads(urlstring)
# assuming the user passes a "name"...
name = response['name']
```

Or even just print it out, any type of manipulation you want. We could incorporate it back into the response that is returned by putting it in the strings we create.