Name – Preeti Kakuru Student ID – W16302276

1. Invoking the Figlet Function

```
preeti@preeti-Inspiron-15-3511:~/faasd$ faas-cli store deploy figlet
Deployed. 200 OK.
URL: http://127.0.0.1:8080/function/figlet
preeti@preeti-Inspiron-15-3511:~/faasd$ faas-cli store inspect figlet
Info for: Figlet
           figlet
Name
Description Generate ASCII logos with the figlet CLI
           ghcr.io/openfaas/figlet:latest
Image
            figlet
Process
           https://github.com/openfaas/store-functions
Repo URL
preeti@preeti-Inspiron-15-3511:~/faasd$ echo "Hello, FaaS, world" | faas-cli invoke figlet
preeti@preeti-Inspiron-15-3511:~/faasd$
```

Figlet function is deployed from the OpenFaas store. faas-cli store deploy figlet is executed

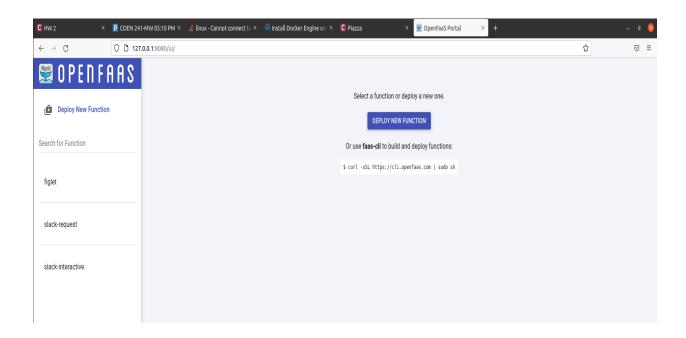
Then, we find the URL for the function using faas-cli store inspect figlet After that, we invoke figlet and print some ASCII characters. echo "Hello, FaaS world" | faas-cli invoke figlet

2. Running sudo journalctl -u faasd -lines 40 command

```
** Logs begin at Thu 2022-04-07 04:54:00 PDT, end at Sun 2022-05-08 21:36:26 PDT, ...
***Ay 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 - prometheus
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 - pateway
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 - pateway
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 kunning nats with user: "05554"
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 kunning nats with user: "05554"
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 kunning nats with user: "05554"
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: nats
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: nats
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: nats
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 created container: queue-worker
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 created container: queue-worker
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: basic-auth-plugin
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: basic-auth-plugin
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: basic-auth-plugin
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: basic-auth-plugin
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: basic-auth-plugin
**Ray 08 18:33:55 preett.Inspiron.15-3511 fass(f764): 2022/85/88 18:33:55 fask: pateway
**Ray
```

The above command is used to print logs to check whether Faasd is running or not. We are printing 40 lines of the log.

3. OpenFaaS Gateway screenshot AFTER deploying Figlet, slack-handler and slack- interactive functions



The above screenshot verifies that the three functions have been deployed in the cluster

4. Invoking slack-request function via curl and faas-cli

```
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/PreetiKakuru.png", "author_name": "Preeti Kakuru", "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": "response 123", "fallback": "Would you recommend COEN 241 to your friends?", "attachment_type": "default "}]}

preeti@preeti-Inspiron-15-3511:~/functions$ curl -d '{"Hello":"COEN 241"}' http://127.1.0.1:80 80/function/slack-request {"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazing Level"}], "author_icon": "", "image_url": "https://github.com/PreetiKakuru.png", "author_name": "Preeti Kakuru", "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 Definitel y!", "type": "button", "name": "recommend", "value": "recommend"}, "text": "Most Definitel y!", "type": "button", "name": "recommend", "value": "definitely"}], "callback_id": "response 123", "fallback": "Would you recommend COEN 241 to your friends?", "attachment_type": "default "}]}

preeti@preeti-Inspiron-15-3511:~/functions$
```

5. Invoking slack-interactive using curl and faas-cli

```
Preeti@preeti-Inspiron-15-3511:~/functions$ faas-cli invoke slack-interactive
Reading from STDIN - hit (Control + D) to stop.
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "https://github.com
/PreetiKakuru/CoEN-241", "color": "#36a64f", "text": "Head over to COEN 241", "title": "COEN 2
41", "ts": 123456789, "author_name": "", "title_link": "https://www.scu.edu/engineering/academ
ic-programs/department-of-computer-engineering/graduate/course-descriptions/", "image_url": "h
ttps://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-amp-photography/visu
al-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/s
lack_hash_256.png", "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!", "fal
lback": "Required plain-text summary of the attachment.", "thumb_url": "https://www.scu.edu/en
gineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
    "author_icon": "https://github.com/PreetiKakuru.png"}]}
preetigpreeti-Inspiron-15-3511:~/functions$ curl -d '{"Hello":"COEN 241"}' http://127.1.0.1:80
80/function/slack-interactive
{"attachments": [{"footer": "slack Apps built on OpenFaas", "author_link": "https://github.com
/PreetiKakuru/COEN-241", "color": "#36a64f", "text": "Head over to COEN 241", "title": "COEN 2
41", "ts": 123456789, "author_name": "", "title_link": "https://www.scu.edu/engineering/academ
ic-programs/department-of-computer-engineering/graduate/course-descriptions/", "image_url": "h
ttps://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-amp-photography/visu
al-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/s
lack_hash_256.png", "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!", "fal
lback": "Required plai
```

Here, we invoke the slack-request and slack-interactive functions via both curl and faas- cli and get the output as shown above.