

## 1. Slack and Knowledge Graph integration

- No screenshots or observations

## 2. Code

Answer the following question for your lab notebook:

- Could we have used the API Discovery package to interact with the Vision API?
- Does Google provide a Python package specifically for accessing the Knowledge Graph API?

## 3. Code

Visit the file and perform the following for your lab notebook:

```
84 def make_search_request(query):
85     req = kgsearch.entities().search(query=query, limit=1)
86     res = req.execute()
87     return format_slack_message(query, res)
88 # [END functions_slack_request]
89
```

- Show the source line that constructs the query we wish to send to the Knowledge Graph API.
  - Line 85
- Show the source line that then executes the query and saves the response. What is the name of the method that sends the query to the Knowledge Graph API?
  - Line 86
  - format\_slack\_message

Visit the file and answer the following questions:

- What is the Python data type that is used to represent the formatted message?
  - dictionary
- What are the three main attributes of the formatted message passed back to Slack?
  - Response\_type
  - Text
  - attachments

## 4. Knowledge Graph setup

- No screenshots or observations

## 5. Create a Slack workspace

- No screenshots or observations

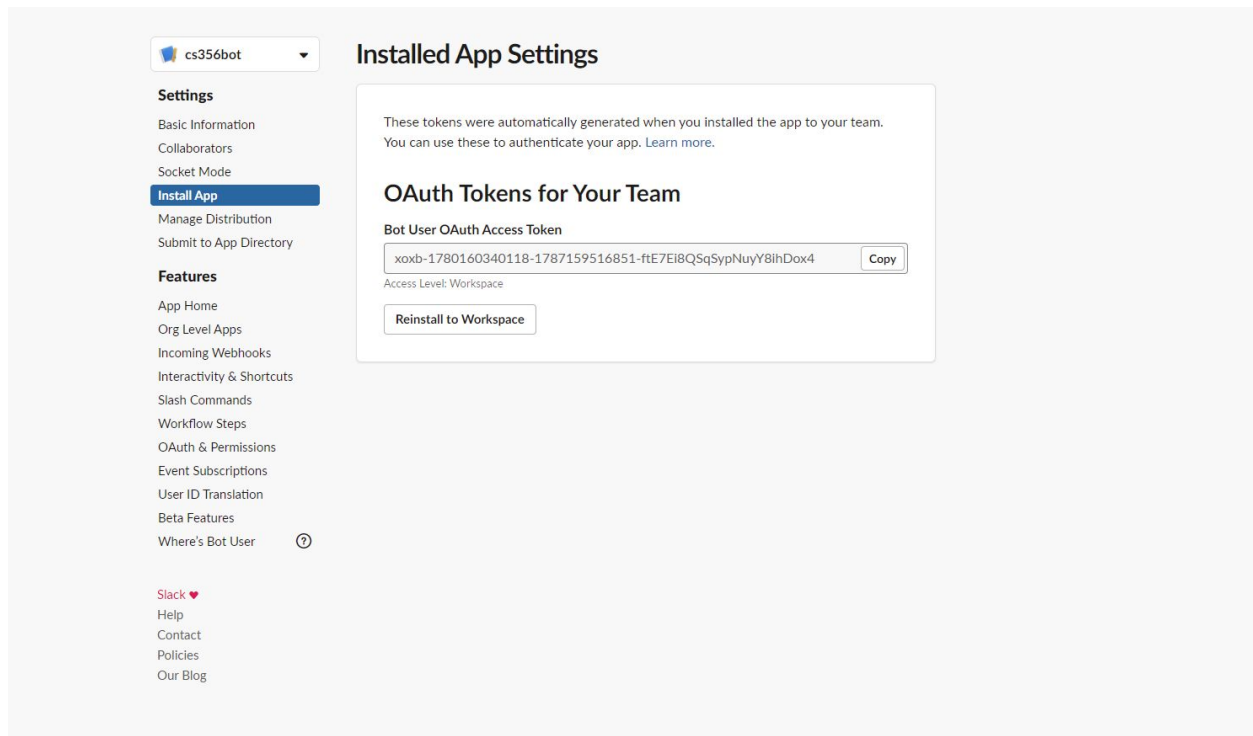
Answer the following question:

- What would be the difference between an adversary finding out `YOUR_SLACK_SIGNING_SECRET` versus finding out `YOUR_KG_API_KEY` that was obtained in the previous step from GCP?
  - The signing secret is what slack uses to verify that it is them. If an adversary were to obtain this then they would be able to impersonate slack

## 6. Configure and Deploy

[illegible]

## 7. Create Slack command



## 8. Test the command

- Within the text box, enter the following search and show a screenshot of its response for your lab notebook.

