Technical Product Manager (API) Written Interview

1. You are going to launch a new API meant for data science users and you want to have at least one client library ready at launch. Do you build a client in R, Python or both? How do you decide?

2. In the first iteration of an API, the engineer creates a response that looks like this:

```json
{
  "data": {
    "place": {
      "placekey": "zzw-222@628-pgf-33q",
      "safegraph_core": {
        "placekey": "zzw-222@628-pgf-33q",
        "parent_placekey": "222-224@63s-dvy-nwk",
        "location_name": "Starbucks",
        "safegraph_brand_ids": [
          "SG_BRAND_f116acfe9147494063e58da666d1d57e"
        ],
        "brands": [
          {
            "brand_id": "SG_BRAND_f116acfe9147494063e58da666d1d57e",
            "brand_name": "Starbucks Coffee"
          }
        ],
```

You notice that there is both a "**safegraph_brand_ids**" field and a "**brands**" field. Do you keep both? If not, which one do you keep? How do you decide?

3. How would you improve this example code snippet in the docs?

```python
GraphQL    cURL    Python

import requests
import json

url = "https://api.safegraph.com/v1/graphql"

payload="{\"query\":\"query {\\n\\tlookup(query: {\\n\\t\\t\\tlocation_name: \\\"Taco Bell\\\", \\n\\t\\t\\tstreet_address: \\\"710 :
headers = {
  'apikey': '{your-api-key}',
  'content-type': 'application/json'
}

response = requests.request("POST", url, headers=headers, data=payload)

print(response.text)
```