Verifying the api-key
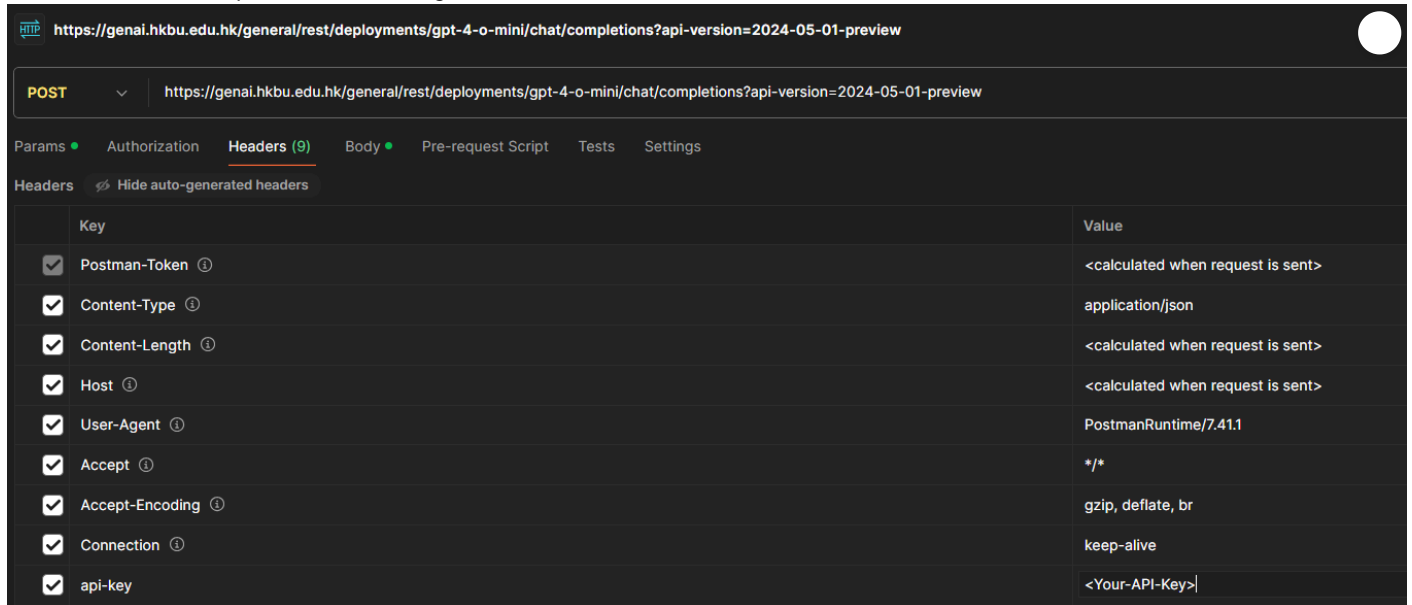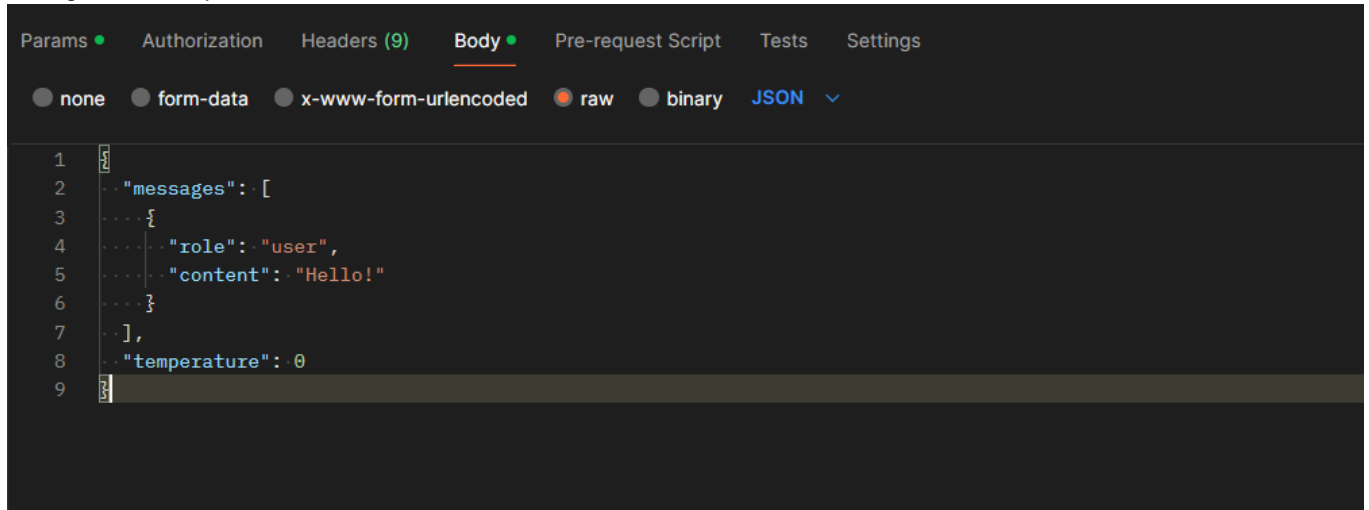
api-key access to HKBU GenAI Platform API verification.

- **Postman for Windows**
  1. Download and start Postman.
  2. Formulate a POST request to https://genai.hkbu.edu.hk/general/rest/deployments/gpt-35-turbo-16k/chat/completions?api-version=2024-05-01-preview, and configure the header as outlined below:

	Key	Value
☑	Postman-Token ⓘ	\<calculated when request is sent\>
☑	Content-Type ⓘ	application/json
☑	Content-Length ⓘ	\<calculated when request is sent\>
☑	Host ⓘ	\<calculated when request is sent\>
☑	User-Agent ⓘ	PostmanRuntime/7.41.1
☑	Accept ⓘ	*/*
☑	Accept-Encoding ⓘ	gzip, deflate, br
☑	Connection ⓘ	keep-alive
☑	api-key	\<Your-API-Key\>

URL bar: `https://genai.hkbu.edu.hk/general/rest/deployments/gpt-4-o-mini/chat/completions?api-version=2024-05-01-preview`

POST `https://genai.hkbu.edu.hk/general/rest/deployments/gpt-4-o-mini/chat/completions?api-version=2024-05-01-preview`

  3. Configure the body as outlined below:

```json
{
    "messages": [
        {
            "role": "user",
            "content": "Hello!"
        }
    ],
    "temperature": 0
}
```

  4. Send the request to obtain a response.

```json
{
    "id": "chatcmpl-A4OxGfuGPz86gMxB3eeeVpYCbSMmc",
    "object": "chat.completion",
    "created": 1725612602,
    "model": "gpt-4o-mini",
    "choices": [
        {
            "index": 0,
            "message": {
                "role": "assistant",
                "content": "Hello! How can I assist you today?"
            },
            "logprobs": null,
            "finish_reason": "stop"
        }
    ],
    "usage": {
        "prompt_tokens": 9,
        "completion_tokens": 9,
        "total_tokens": 18
    },
```

Status: 200 OK   Time: 1413 ms   Size: 736 B

1. Launch a terminal, command prompt, or powershell on your personal computer.

2. Input the command given below.

```
curl https://genai.hkbu.edu.hk/general/rest/deployments/gpt-4-o-mini/chat/completions?api-version=2024-05-01-preview \
    -H "Content-Type: application/json" \
    -H "api-key: <YOUR_API_KEY>" \
    -d '{"messages":[{"role": "user", "content": "Hello!"}]}'
```

3. Example response

```
{
   "id": "cmpl-4kGh7iXtjW4lc9eGhff6Hp8C7btdQ",
   "object": "text_completion",
   "created": 1693903613,
   "model": "gpt-35-turbo-16k",
   "choices": [
      {
      "index": 0,
      "message": {
         "role": assistant,
         "content": Hello! How can I assist you today?,
      },
      "finish_reason": "stop"
      }
   ],
   "usage": [
      {
      "prompt_tokens": 9,
      "completion_tokens": 9,
      "total_tokens": 18
      }
   ]
}
```

- **Python Example**
   1. Copy the function given below.

```python
import requests

apiKey = <YOUR_API_KEY>
basicUrl = "https://genai.hkbu.edu.hk/general/rest"
modelName = "gpt-4-o-mini"
apiVersion = "2024-05-01-preview"

def submit(message):
    conversation = [{"role": "user", "content": message}]
    url = basicUrl + "/deployments/" + modelName + "/chat/completions/?api-version=" + apiVersion
    headers = { 'Content-Type': 'application/json', 'api-key': apiKey }
    payload = { 'messages': conversation }
    response = requests.post(url, json=payload, headers=headers)

    if response.status_code == 200:
        data = response.json()
        return data
    else:
        return 'Error:', response
```

   2. Call submit function and Print out the result.

```python
result = submit("Hello!")
print(result)
```

   3. Example response.

```
{
   "id":"chatcmpl-8BeLThmRfxlGEWnBB4nUgZ5lYiP3J",
   "object":"chat.completion",
   "created":1697787387,
```

```
      "index":0,
      "message":{
         "role":"assistant",
         "content":"Hello! How can I assist you today?"
      },
      "finish_reason":"stop"
   }
],
"usage":{
   "prompt_tokens":8,
   "completion_tokens":9,
   "total_tokens":17
}
}
```