

# Creative Coding: Python

Funny emoji crawling

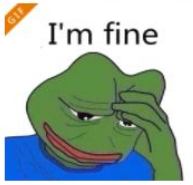
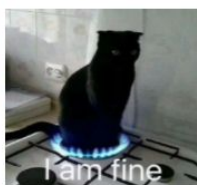
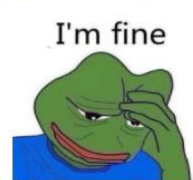
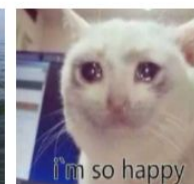
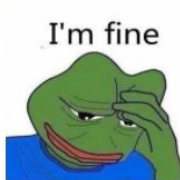
Ziyan Cai



I'm fine. 真的fine, thank you!



I'm fine. 真的fine, thank you!



# Process



## Retrieve data

```
#Import toolkit = Get data  
import requests  
#Import toolkit = filter data  
import re
```

# Retrieve data

The screenshot displays the Network tab of a web browser's developer tools. At the top, there's a filter bar with options like 'Filter', 'Hide data URLs', and 'Fetch/XHR'. Below this is a timeline showing various network requests as horizontal bars. The main panel on the left lists the names of the requests, including files like 'glyphicons-halflings-regular.woff2' and 'logo.png'. The right panel shows the details for a selected request, with tabs for 'Headers', 'Preview', 'Response', 'Initiator', and 'Timing'. The 'Headers' tab is active, showing response headers such as 'Date', 'ETag', 'Last-Modified', 'Server', and various 'x-oss-' headers. Below the response headers, the 'Request Headers' section is expanded, showing 'sec-ch-ua-mobile: ?0' and a 'User-Agent' string. The 'User-Agent' string is highlighted with a red box and reads: 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.131 Safari/537.36'. At the bottom of the interface, a summary bar indicates '63 requests', '44.2 kB transferred', and '2.4 MB resources'.

Filter ☐ Hide data URLs ☒ Fetch/XHR JS CSS Img Media Font Doc WS Wasm Manifest Other

☐ Has blocked cookies ☐ Blocked Requests

1000 ms 2000 ms 3000 ms 4000 ms 5000 ms 6000 ms 7000 ms

Name

- nmjs:21C12099C099441729040553CE117140
- glyphicons-halflings-regular.woff2
- logo.png
- 10.19.0.js
- push.js
- s.gif?r=https%3A%2F%2Fwww.doutula.com%2Farticle%2...
- 20190510432424\_YkCUdE.gif
- 20170906703596\_Yetuob.png
- 20180727699614\_AthXHv.png
- 20171216437816\_JzqvQs.png
- 20190829053131\_AfFNRI.jpg
- 20180307428216\_zButcq.jpg
- 20171204318505\_XFpgDP.jpg
- 20180915977900\_JDXdlB.jpg
- 20190813693293\_TAJfDr.jpg
- 20190820266382\_OzKllc.jpg
- 20190619909545\_kmrNHx.jpg
- 20180430093817\_XZLulj.jpg

63 requests | 44.2 kB transferred | 2.4 MB resources | Finis

**Headers** Preview Response Initiator Timing

Date: Mon, 09 Aug 2021 20:53:50 GMT  
ETag: "E17F208429EC6C8501A0AFE5EAF9C804"  
Last-Modified: Thu, 29 Aug 2019 04:32:12 GMT  
Server: AliyunOSS  
x-oss-hash-crc64ecma: 3479859942777048999  
x-oss-object-type: Normal  
x-oss-request-id: 6111950E3FB538313507F104  
x-oss-server-time: 53  
x-oss-storage-class: Standard

**Request Headers**

sec-ch-ua-mobile: ?0

**User-Agent:** Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.131 Safari/537.36

**User-Agent:** Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.131 Safari/537.36