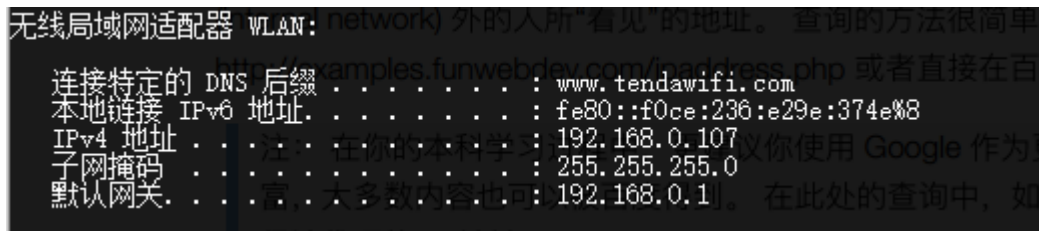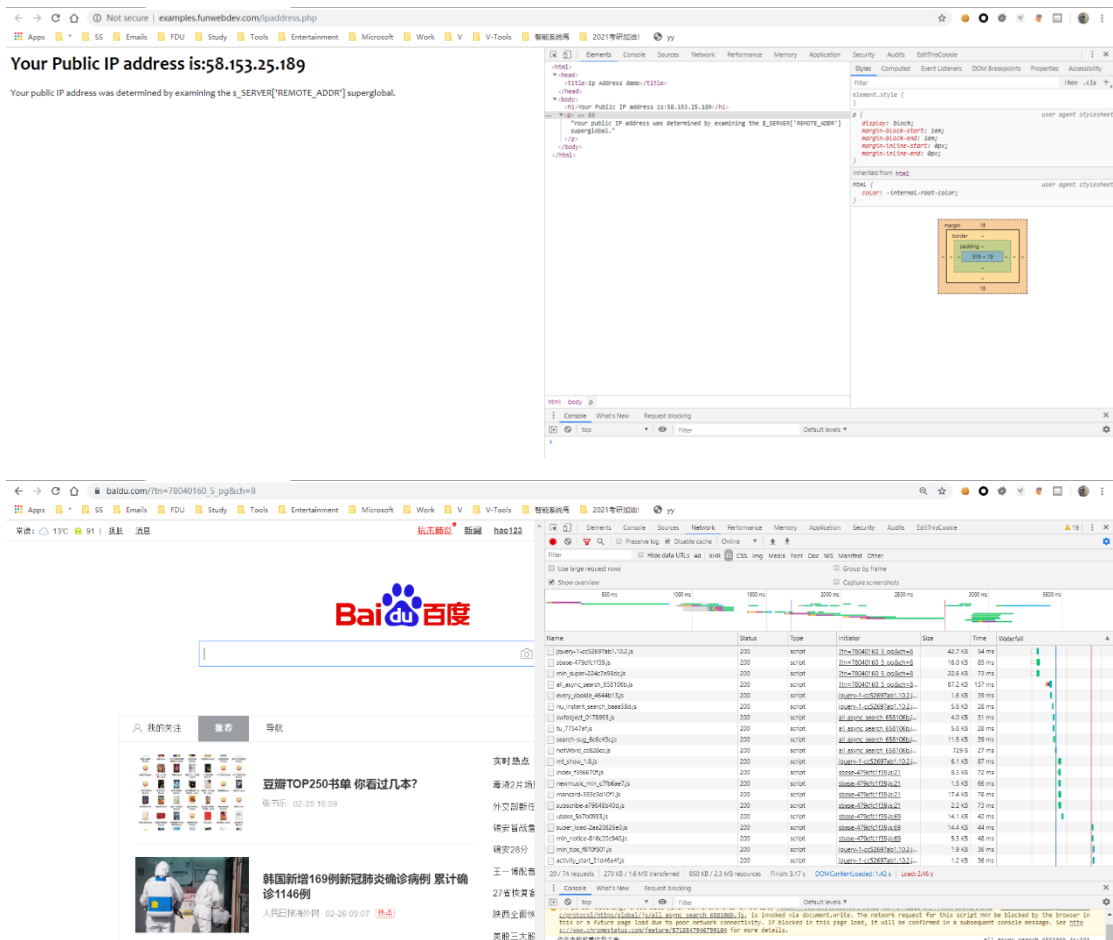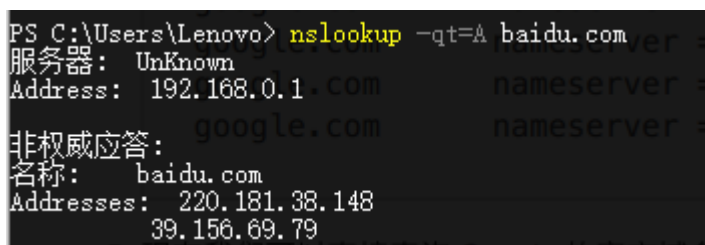## 1. 你的 IP 地址

2. 分析一个网页的组成部分

3. 域名服务器

```
PS C:\Users\Lenovo> nslookup -qt=ns baidu.com
服务器:  UnKnown
Address:  192.168.0.1

非权威应答:  Non-authoritative answer:
baidu.com       nameserver = ns4.baidu.com
baidu.com       nameserver = ns7.baidu.com
baidu.com       nameserver = ns2.baidu.com
baidu.com       nameserver = dns.baidu.com
baidu.com       nameserver = ns3.baidu.com
```

```
PS C:\Users\Lenovo> nslookup baidu.com ns7.baidu.com
服务器:  UnKnown
Address:  180.76.76.92

名称:     baidu.com
Addresses:  220.181.38.148
            39.156.69.79
```

```
PS C:\Users\Lenovo> nslookup 114.114.114.114
服务器:  UnKnown
Address:  192.168.0.1

名称:     public1.114dns.com
Address:  114.114.114.114
```

4. 观察 HTTP 标头

user-agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36

(KHTML, like Gecko) Chrome/78.0.3904.97 Safari/537.36

5. 追踪数据包

```
PS C:\Users\Lenovo> tracert microsoft.com

通过最多 30 个跃点跟踪
到 microsoft.com [40.76.4.15] 的路由:

  1     7 ms    42 ms    12 ms  192.168.0.1
  2    26 ms    11 ms    11 ms  100.65.128.1
  3     6 ms     6 ms     7 ms  222.241.62.69
  4    33 ms    25 ms    23 ms  61.137.0.85
  5    44 ms    45 ms    48 ms  202.97.42.165
  6     *       38 ms    34 ms  202.97.67.46
  7    36 ms    28 ms    28 ms  202.97.91.145
  8    47 ms    47 ms    45 ms  202.97.22.126
  9    49 ms    41 ms    45 ms  203.215.232.174
 10    46 ms    55 ms     *     ae24-0.icr02.hkg31.ntwk.msn.net [104.44.237.198]
 11   265 ms   263 ms   260 ms  be-102-0.ibr01.hkg31.ntwk.msn.net [104.44.11.121]
 12   262 ms   261 ms     *     be-11-0.ibr01.tyo79.ntwk.msn.net [104.44.17.134]
 13   235 ms   239 ms   237 ms  be-5-0.ibr01.tyo30.ntwk.msn.net [104.44.17.191]
 14   234 ms   235 ms   235 ms  be-7-0.ibr01.lax30.ntwk.msn.net [104.44.18.41]
 15   251 ms   251 ms   253 ms  be-4-0.ibr01.sn1.ntwk.msn.net [104.44.17.72]
 16   254 ms   245 ms     *     be-10-0.ibr01.atl30.ntwk.msn.net [104.44.18.220]
 17   279 ms   262 ms   269 ms  be-6-0.ibr01.bn6.ntwk.msn.net [104.44.17.230]
 18   250 ms   250 ms   251 ms  be-2-0.ibr03.bl20.ntwk.msn.net [104.44.19.5]
 19   271 ms   265 ms   265 ms  ae140-0.icr01.bl20.ntwk.msn.net [104.44.21.222]
 20     *        *        *     请求超时。
 21     *        *        *     请求超时。
 22     *        *        *     请求超时。
 23     *        *        *     请求超时。
 24     *        *        *     请求超时。
 25     *        *        *     请求超时。
 26     *        *        *     请求超时。
 27     *        *        *     请求超时。
 28     *        *        *     请求超时。
 29     *        *        *     请求超时。
 30     *        *        *     请求超时。

跟踪完成。
```

```
yy@LemonYangYan: ~

yy@LemonYangYan: $ whois tencent.com
   Domain Name: TENCENT.COM
   Registry Domain ID: 3216596_DOMAIN_COM-VRSN
   Registrar WHOIS Server: whois.markmonitor.com
   Registrar URL: http://www.markmonitor.com
   Updated Date: 2019-08-12T09:11:43Z
   Creation Date: 1998-09-14T04:00:00Z
   Registry Expiry Date: 2021-09-13T04:00:00Z
   Registrar: MarkMonitor Inc.
   Registrar IANA ID: 292
   Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
   Registrar Abuse Contact Phone: +1.2083895740
   Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited
   Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
   Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited
   Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited
   Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited
   Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited
   Name Server: NS1.QQ.COM
   Name Server: NS2.QQ.COM
   Name Server: NS3.QQ.COM
   Name Server: NS4.QQ.COM
   DNSSEC: unsigned
   URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/
```