

## Log Analysis

### History (Medium)

This challenge evaluates the contestant's ability to analyze a SQLite database. The answers can be obtained by using the "sqlite3" Linux program or a GUI-based viewer. The examples below use the SQLPro viewer for OSX.

Questions 1 – 4 can be answered by simply looking at the url and title columns.

	id	url	title
16	236	http://google.com/	▼ NULL
17	237	http://www.google.com/	▼ NULL
18	238	https://www.google.com/?gws_rd=ssl	▼ Google
19	239	http://craigslist.com/	▼ NULL
20	240	http://craigslist.org/	▼ NULL
21	241	https://www.craigslist.org/	▼ NULL
22	242	http://geo.craigslist.org/	▼ NULL
23	243	http://baltimore.craigslist.org/	▼ craigslist: baltimore jobs, apartments, personals, fo...
24	244	http://baltimore.craigslist.org/search/sss?sort=rel&query=bitcoin	▼ baltimore for sale "bitcoin" - craigslist
25	245	https://www.bitstamp.net/	▼ NULL
26	246	https://www.bitstamp.net/	▼ (\$239.5) Bitstamp - buy and sell bitcoins
27	247	http://washingtondc.craigslist.org/nva/sy/s248592622.html	▼ Bitcoin Mining Hardware 3TH
28	248	http://coinbase.com/	▼ NULL
29	249	https://coinbase.com/	▼ NULL
30	250	https://www.coinbase.com/	▼ Buy and Sell Bitcoin - Coinbase
31	251	https://www.coinbase.com/signin	▼ Coinbase - Your Hosted Bitcoin Wallet
32	252	https://www.coinbase.com/signin_step_two	▼ Coinbase - Your Hosted Bitcoin Wallet
33	253	https://www.coinbase.com/accounts/primary	▼ My Wallet - Coinbase
34	254	https://www.coinbase.com/device_confirmations/new	▼ Coinbase - Your Hosted Bitcoin Wallet
35	255	http://gmail.com/	▼ NULL
36	256	https://mail.google.com/mail/	▼ NULL
37	257	https://accounts.google.com/ServiceLogin?service=mail&passive=true&rm=fa...	▼ NULL
38	258	https://mail.google.com/mail/	▼ NULL
39	259	https://www.google.com/mail/help/about.html	▼ Gmail - Free Storage and Email from Google
40	260	https://accounts.google.com/ServiceLogin?service=mail&continue=https://ma...	▼ NULL
41	261	https://accounts.google.com/ServiceLogin?service=mail&continue=https://ma...	▼ Gmail
42	262	https://accounts.google.com/ServiceLogin?service=mail&continue=https://ma...	▼ Gmail
43	263	https://accounts.google.com/CheckCookie?checkedDomains=youtube&check...	▼ NULL
44	264	https://mail.google.com/accounts/ServiceLogin?service=mail&continue=https://ma...	▼ NULL
45	265	https://accounts.google.com/accounts/ServiceLogin?service=mail&continue=https://ma...	▼ NULL
46	266	https://mail.google.com/mail/7auth=DQAAAMMAAAAUFRdH-qQAsXyBp72U...	▼ NULL
47	267	https://mail.google.com/mail/u/0/	▼ Gmail
48	268	https://mail.google.com/mail/u/0/#inbox	▼ Inbox - b1gbird@gmail.com - Gmail

Questions 5 – 7 can be answered by visiting the URLs listed in the database. The URL with id 290 is for a bitcoin transaction listed on blockchain.info. The main page displays the ID as well as the total value of the inputs.

### Transaction

View information about a bitcoin transaction

5274c8a585a4b5681527a3795c76340428916bb7480ce8c545b28dcd2d7

18z5bTFjxXCmhtp8YBeR2vgmoVXGJZz

0.1872 BTC

1Jb1X1yDfNMe4JZJufF56zgrc8xoW7nMy

0.00966586 BTC

1KbT7MR5nrBpqjFwqDW6xu17pbgJdnHcg

0.00966586 BTC

1Ab3sF3C8PxxH7FTde8vASZg1kMERYwX

0.00966586 BTC

1QFkcQEEnQXSGPKaf5zmmmbOwS8VMk4z2Snr

0.00966544 BTC

0.22586302 BTC

#### Summary

Size: 476 (bytes)

Received Time: 2015-07-18 23:36:09

Included In Blocks: 365926 (2015-07-18 23:41:45 + 6 minutes)

Confirmations: 27725 Confirmations

Relayed by IP: Blockchain.info

Visualize: View Tree Chart

#### Inputs and Outputs

Total Input: 0.22616302 BTC

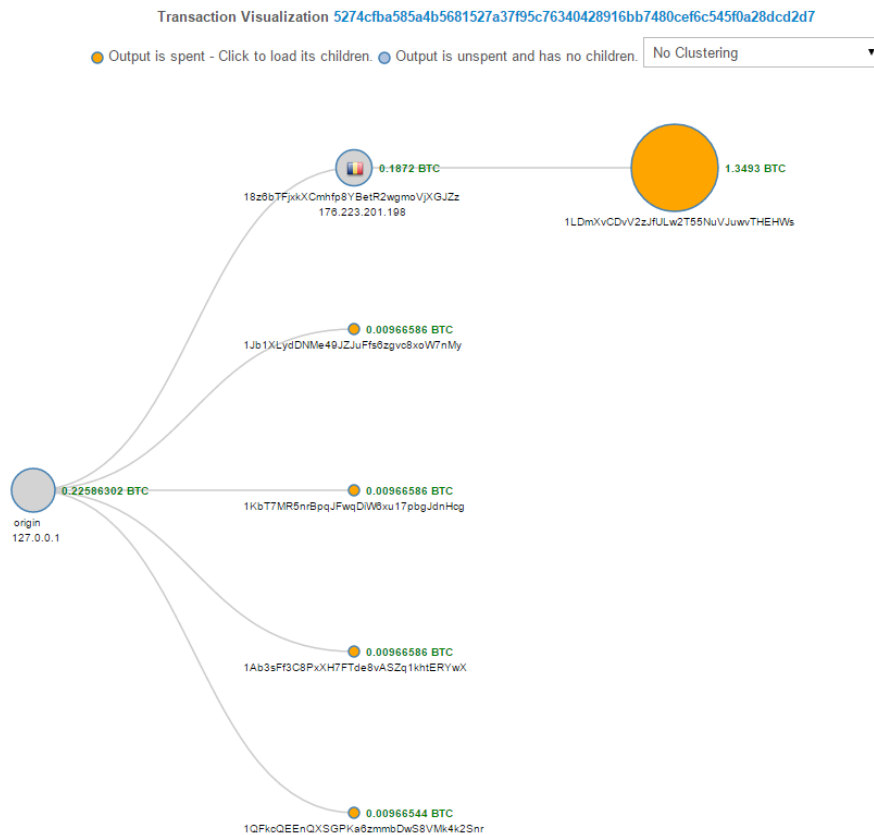
Total Output: 0.22586302 BTC

Fees: 0.0003 BTC

Estimated BTC Transacted: 0.00966544 BTC

Scripts: Show scripts & coinbase

The “View Tree Chart” link provides a visualization of outputs along with the IP addresses of the Bitcoin wallets.



Question	Answer
What did the user search for on Craigslist?	bitcoin
What was the current price of bitcoin when the user was browsing?	\$239.50
What Bitcoin exchange did the user log in to?	Coinbase
What is the email that was used to log into the bitcoin exchange?	b1gbird@gmail.com
What was the ID of the Bitcoin transaction that the user looked at?	5274cfba585a4b5681527a37f95c76340428916bb7480cef6c545f0a28dcd2d7
What was the total value of all the inputs of the Bitcoin transaction?	0.22616302
To which IP address did the majority of the Bitcoin in the transaction go?	176.223.201.198