

CAYANAN, JOHN MICHAEL D.

COM 231 - BSCS DF

Activity 11: DATA ACQUISITION AND PREPROCESSING

RAW DATA CSV

```
ACT_11 > final_project_raw_data.csv > data
1  evidence_id,acquired_at,device_id,source_path,artifact_type,hash_md5,raw_payload_base64
2  75f51f97-d50e-4bb3-b4f5-10b9b8332848,2025-02-25 03:18:06,DEVICE-4,/path/to/artifact_389.dat,pcap,
3  4fb65527464b4b80,c29tZSByYXcgZGF0YQ==
4  0b973118-d5ce-4bb0-a956-1db36459ff48,2025-01-18 09:46:20,DEVICE-5,/path/to/artifact_453.dat,image,
5  bbe927a0276e4800,c29tZSByYXcgZGF0YQ==
6  789dd273-7362-4207-93f3-fcc529907630,2025-02-16 21:44:50,DEVICE-1,/path/to/artifact_976.dat,system_log,
7  6aa10a3b21246de,
8  Col 6: hash_md5 700-b27a-6dcee3bd6674,2025-01-27 19:36:41,DEVICE-5,/path/to/artifact_478.dat,image,
9  4350900a2776452e,c29tZSByYXcgZGF0YQ==
10 99a8bb7f-6e3f-4f95-80ea-a61ad6526acf,2025-02-11 19:57:40,DEVICE-1,/path/to/artifact_177.dat,system_log,
11 30ecd65ec4a942ac,c29tZSByYXcgZGF0YQ==
12 40bcef78-1902-4622-97c5-69848c96291a,2025-01-09 11:38:40,DEVICE-5,/path/to/artifact_401.dat,
13  browser_history,5865a609b5314f33,
14  e41771e7-6d06-4781-bfe0-9a7ff90c3a7b,2025-02-09 17:37:06,DEVICE-4,/path/to/artifact_801.dat,pcap,
15  02bbd6f12b2f49d2,c29tZSByYXcgZGF0YQ==
16  6f59ff65-8653-4b82-8c73-a074498a1ff6,2025-01-15 12:40:05,DEVICE-2,/path/to/artifact_719.dat,pcap,
17  5e068eafad1c48bc,
18  f345eb60-a7a2-4d62-add6-2f70be7bbbb4,2025-01-06 11:35:32,DEVICE-4,/path/to/artifact_673.dat,image,
19  94ed872102924d97,c29tZSByYXcgZGF0YQ==
20  1a6d796e-d08a-4023-bb46-dcf4826f734e,2025-01-29 22:54:50,DEVICE-5,/path/to/artifact_245.dat,pcap,
21  32836a6315224167,c29tZSByYXcgZGF0YQ==
22  aa82ac55-7ce4-4640-a613-8dcab5a164f2,2025-02-08 19:33:54,DEVICE-4,/path/to/artifact_808.dat,image,
23  148dfcb86b0c4eee,c29tZSByYXcgZGF0YQ==
24  9db41b3d-74f9-4701-9ae8-23c5952679f6,2025-01-10 10:34:53,DEVICE-4,/path/to/artifact_530.dat,registry,
25  efe4d08f95ff4368,c29tZSByYXcgZGF0YQ==
26  cba7abff-9b4e-4b54-9f23-78e06a75168e,2025-01-27 05:21:24,DEVICE-4,/path/to/artifact_190.dat,
27  browser_history,f65919d0dd2f4c54,
28  67ec948f-e09f-40fc-8854-8ddc38b9bcea,2025-01-16 23:42:05,DEVICE-2,/path/to/artifact_116.dat,image,
29  663431535cf54194,c29tZSByYXcgZGF0YQ==
30  a302fedf-4677-441c-b83e-55b763c28a57,2025-01-15 02:25:40,DEVICE-5,/path/to/artifact_266.dat,
31  browser_history,db11076ee60b4890,
32  25f17751-eeff-41a7-af96-d16ae174adb1,2025-01-11 20:25:17,DEVICE-1,/path/to/artifact_965.dat,image,
```

CLEAN DATA CSV

```
1 evidence_id,acquired_at,device_id,source_path,artifact_type,hash_md5,raw_payload_base64,year,month,day,
  hour
2 75f51f97-d50e-4bb3-b4f5-10b9b8332848,2025-02-25 03:18:06,DEVICE-4,/path/to/artifact_389.dat,pcap,
  4fb65527464b4b80,c29tZSBYXXcgZGF0YQ==,2025,2,25,3
3 0b973118-d5ce-4bb0-a956-1db36459ff48,2025-01-18 09:46:20,DEVICE-5,/path/to/artifact_453.dat,image,
  bbe927a0276e4800,c29tZSBYXXcgZGF0YQ==,2025,1,18,9
4 789dd273-7362-4207-93f3-fcc529907630,2025-02-16 21:44:50,DEVICE-1,/path/to/artifact_976.dat,system_log,
  6eae10e3b24346de,MISSING,2025,2,16,21
5 8797034c-df1a-470 Col 7: raw_payload_base64 -01-27 19:36:41,DEVICE-5,/path/to/artifact_478.dat,image,
  4350900a2776452e,c29tZSBYXXcgZGF0YQ==,2025,1,27,19
6 99a8bb7f-6e3f-4f95-80ea-a61ad6526acf,2025-02-11 19:57:40,DEVICE-1,/path/to/artifact_177.dat,system_log,
  30ecd65ec4a942ac,c29tZSBYXXcgZGF0YQ==,2025,2,11,19
7 40bcef78-1902-4622-97c5-69848c96291a,2025-01-09 11:38:40,DEVICE-5,/path/to/artifact_401.dat,
  browser_history,5865a609b5314f33,MISSING,2025,1,9,11
8 e41771e7-6d06-4781-bfe0-9a7ff90c3a7b,2025-02-09 17:37:06,DEVICE-4,/path/to/artifact_801.dat,pcap,
  02bbd6f12b2f49d2,c29tZSBYXXcgZGF0YQ==,2025,2,9,17
9 6f59ff65-8653-4b82-8c73-a074498a1ff6,2025-01-15 12:40:05,DEVICE-2,/path/to/artifact_719.dat,pcap,
  5e068eafad1c48bc,MISSING,2025,1,15,12
10 f345eb60-a7a2-4d62-add6-2f70be7bbbbb4,2025-01-06 11:35:32,DEVICE-4,/path/to/artifact_673.dat,image,
  94ed872102924d97,c29tZSBYXXcgZGF0YQ==,2025,1,6,11
11 1a6d796e-d08a-4023-bb46-dcf4826f734e,2025-01-29 22:54:50,DEVICE-5,/path/to/artifact_245.dat,pcap,
  32836a6315224167,c29tZSBYXXcgZGF0YQ==,2025,1,29,22
12 aa82ac55-7ce4-4640-a613-8dcab5a164f2,2025-02-08 19:33:54,DEVICE-4,/path/to/artifact_808.dat,image,
  148dfcb86b0c4eee,c29tZSBYXXcgZGF0YQ==,2025,2,8,19
13 9db41b3d-74f9-4701-9ae8-23c5952679f6,2025-01-10 10:34:53,DEVICE-4,/path/to/artifact_530.dat,registry,
  efe4d08f95ff4368,c29tZSBYXXcgZGF0YQ==,2025,1,10,10
14 cba7abff-9b4e-4b54-9f23-78e06a75168e,2025-01-27 05:21:24,DEVICE-4,/path/to/artifact_190.dat,
  browser_history,f65919d0dd2f4c54,MISSING,2025,1,27,5
15 67ec948f-e09f-40fc-8854-8ddc38b9bcea,2025-01-16 23:42:05,DEVICE-2,/path/to/artifact_116.dat,image,
  663431535cf54194,c29tZSBYXXcgZGF0YQ==,2025,1,16,23
16 a302fedf-4677-441c-b83e-55b763c28a57,2025-01-15 02:25:40,DEVICE-5,/path/to/artifact_266.dat,
```