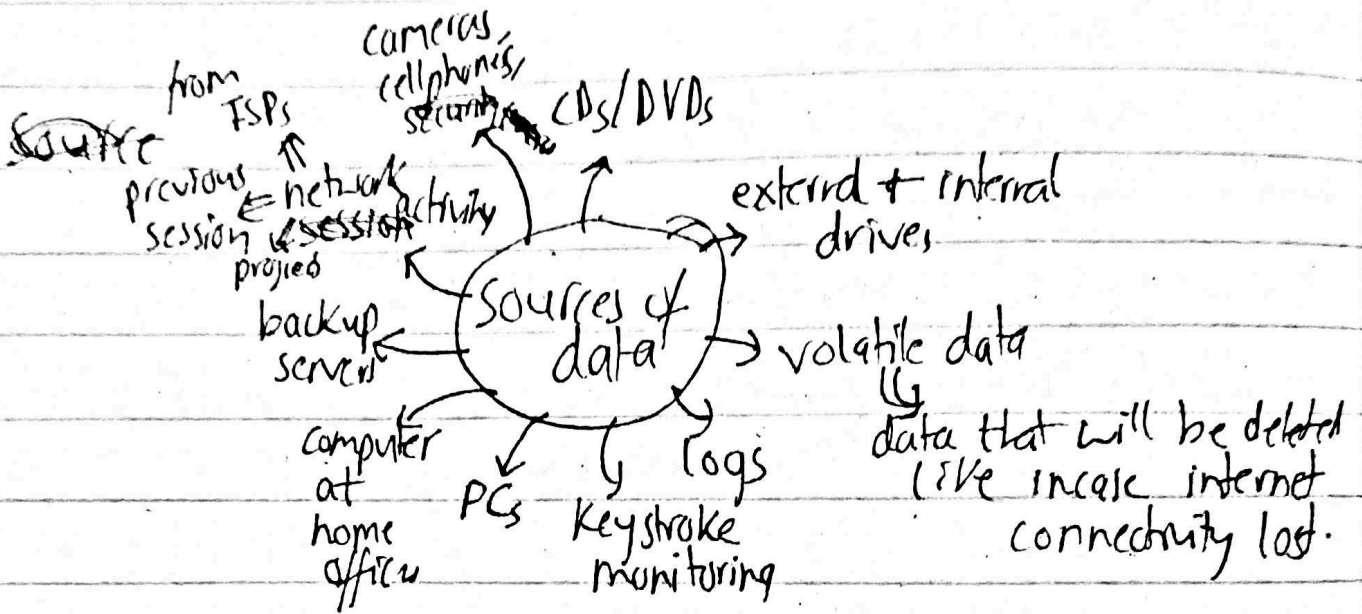
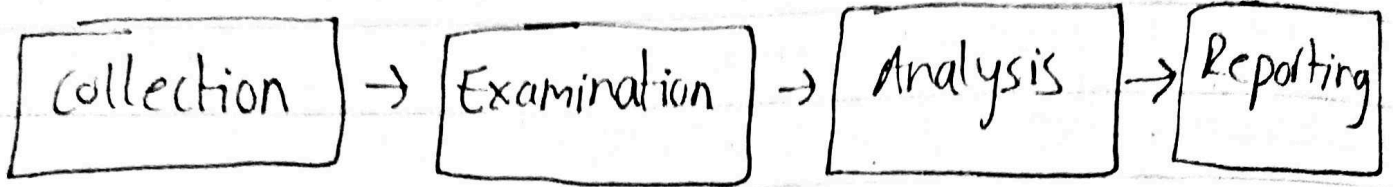
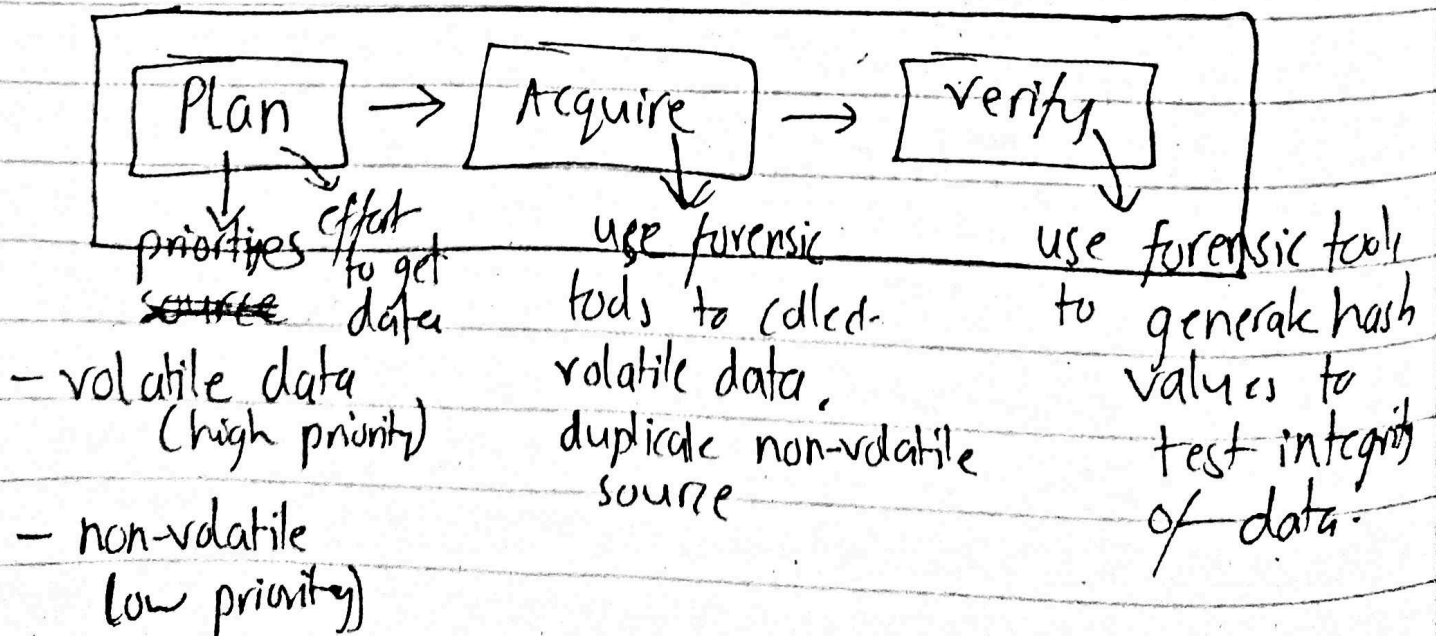


# Digital Forensics

→ collection and analysing data to ensure integrity.



## Step 1) Collection



## Chain of Custody

- Log of who has physical custody of evidence and what they did with the data
- make a copy of evidence and perform examination + analysis on the copy and verify the ~~copy~~ integrity with original

## Step 2) Examination

### Hurdles

i) bypass controls

↳ OS and applications may have encryption, compression or ACLs.

ii) sea of data

↳ a HDD may have 1000s of files, not all of which are relevant

iii) what tools to use to filter and exclude data from searches

### Step 3) Analysis

identify people, places, items and events, and determining how these elements are related so that a conclusion can be reached → in short, putting the pieces together

### Step 4) Reporting

- ① Case Summary → how investigator got involved  
→ ~~initial~~  
↳ concise
- ② Forensic Acquisition → details on how you acquired data  
and examination preparation and how you preserved it  
↳ thoroughly documentation  
↳ how examination was done
- ③ Finding and report (analysis)  
logs →  
screenshot →  
highlighting → date items  
digital audio over text
- ④ Conclusion  
↳ summary

→ if not mentioned in report, you cannot testify about it