

Logbook – Computer Crime and Digital Evidence – 2025/2026**Full Name and Student ID:** Raunak Kr. Singh 24071246**Team no:**

This is a notebook where you will keep reflective notes about your experience of being part of a team. Reflect on your contributions and on your progress in the team task. You have to keep notes for your engagement for at least 3 weeks. You should use a framework (e.g. SWOT) to assist you structuring the notes.

Week #	Notes
Week 34	<p>In Week 34, I worked with ArsenalImageMounter.exe and KAPE.exe during the lab session. I used Arsenal Image Mounter to mount the disk image of the Hunter XP computer and then ran KAPE to extract relevant artefacts for analysis. All tasks required in the Week 34 lab sheet were completed during the session.</p> <p>Feedback Considered During the lab, Mr Mukesh Tiwari advised us to use Excel filters to identify artefacts more efficiently. He also pointed the importance of organising all extracted files into a single folder before submitting the Week 34 lab worksheet.</p> <p>Self-Reflection (SWOT)</p> <p>Strengths</p> <ol style="list-style-type: none"> 1. I gained hands-on experience using forensic tools such as Arsenal Image Mounter and Kape. 2. I was able to complete my lab session within the given time period, which shows good time management. <p>Weaknesses</p> <ol style="list-style-type: none"> 1. I lacked confidence while independently identifying and researching artefacts. 2. I realised that I sometimes rely on assumptions rather than verifying data thoroughly. <p>Opportunities</p> <ol style="list-style-type: none"> 1. Continuous practice with these tools will strengthen my forensic investigation skills. 2. Early exposure to disk mounting has given me a solid foundation for my future forensic works. <p>Threats</p> <ol style="list-style-type: none"> 1. Misinterpreting artefacts could lead to incorrect conclusions if I am not aware. 2. Limited Excel skills could slow down analysis if not improved.

	<p>Planned Future Action</p> <ol style="list-style-type: none"> 1. Practice using Arsenal Image Mounter and Kape outside the lab sessions to improve confidence. 2. Improve my Excel skills, particularly filtering and sorting artefacts. 3. Carry out dual verification before submitting any forensic findings.
Week 35	<p>In Week 35, I used PECmd to analyse Prefetch (.PF) files. The tool was placed in the same folder as the Prefetch files and executed using the command line to extract execution information in .txt format. All tasks outlined in the Week 35 lab sheet were completed and recorded.</p> <p>Feedback Considered Mr Mukesh Tiwari suggested us to convert command-line output into .txt files and to ensure that all extracted files were neatly organised into a single folder before submission.</p> <p>Self-Reflection (SWOT)</p> <p>Strengths</p> <ol style="list-style-type: none"> 1. I learned how to use command-line tools to extract forensic data. 2. I developed a better understanding of how prefetch artefacts can be used to analyse software execution. <p>Weaknesses</p> <ol style="list-style-type: none"> 1. My knowledge of terminal commands is limited. 2. I found it challenging to interpret some of the extracted artefacts accurately. <p>Opportunities</p> <ol style="list-style-type: none"> 1. Improving my command-line skills will allow me to work with a wider range of forensic tools. 2. Understanding prefetch analysis is useful for real-world digital investigations. <p>Threats</p> <ol style="list-style-type: none"> 1. Confusion between installation dates and execution dates could affect analysis accuracy. 2. Mistakes in command usage may result in incomplete or incorrect outputs. <p>Planned Future Action</p> <ol style="list-style-type: none"> 1. Practise using the terminal regularly to improve my confidence with commands. 2. Continue applying dual verification before submitting analysis results.

Week 36	<p>This week focused on independent research and reflective learning rather than practical lab. I reviewed WEEK-36 file which was given to us and then I used the recommended Youtube links for my further study. This helped me understand how structured reflection supports academic learning and professional development.</p> <p>Feedback Considered Mr Mukesh Tiwari suggested us to carefully study the Week 36 file and use the recommended online resources to improve our understanding of reflective writing and self-evaluation.</p> <p>Self-Reflection (SWOT)</p> <p>Strengths</p> <ol style="list-style-type: none"> 1. I developed a clearer understanding of reflective writing and its purpose in academic work. 2. I became more confident in applying the SWOT Framework to reflect on my own performance. <p>Weaknesses</p> <ol style="list-style-type: none"> 1. I struggled to maintain focus during longer video-based learning sessions. 2. Some reflective frameworks initially appeared very similar, which caused confusion. <p>Opportunities</p> <ol style="list-style-type: none"> 1. Improved reflective skills will help me write stronger reports and logs in future modules. 2. Reflective practice will be valuable in professional roles that require accurate documentation and self-review. <p>Threats</p> <ol style="list-style-type: none"> 1. Independent study can become time-consuming without proper planning and research. 2. Superficial reflection may occur if I do not apply frameworks consistently. <p>Planned Future Action</p> <ol style="list-style-type: none"> 1. Practise reflective writing regularly to improve clarity and depth. 2. Apply SWOT analysis consistently when reviewing both academic and practical work.