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Open University
Master of Science – Cyber Security (MSCCS)
Semester: IV

Paper Code: MSCCS-403	Practical
Title of Paper: Software Lab for MSCCS-401	
Description	
<ol style="list-style-type: none"> 1. List out most common methods used by intruders to gain control of home computers. 2. Write a process of three steps for getting a Great URL. 3. What are six steps to perform in Hacker Methodology? 4. Write down the purpose for each Reconnaissance /Footprinting Tool. 5. Perform steps to reset non-administrator account passwords. 6. Perform Remote Password Guessing using BackTrack (either CD or USB). 7. How to Prevent DNS Spoofing for site owners and DNS providers? 8. How to prevent the MAC Flooding Attack? 9. Write down 3 mechanisms to track sessions. 10. How Identities are stolen? Explain. 11. Explain Scenario for a bandwidth exhaustion attack. 12. Write steps to perform for Protection against Smurf Attacks. 13. How to Protect Microsoft Windows from a SYN Flood Attack. 14. How to safeguard against malicious bots? 15. List out tools used for web server attack and explain their implementation. 16. List out 10 most common Web application vulnerabilities and explain what to do about them. 17. Perform Hacking Activity: SQL Inject a Web Application. 18. How to Prevent against SQL Injection Attacks. 19. How to Secure Wireless Networks? 20. Explain working of Honeypots. 	