CHAPPELL UNIVERSITY

Wireshark® Workbook 1
Practice, Challenges, and Solutions

Answer Sheets

This Answer Sheets document matches the lab list in *Wireshark Workbook 1: Practice, Challenges, and Solutions*. This document offers are more organized, efficient method for answering the lab questions rather than writing in a book or just jotting your answers on a blank sheet of paper.

CHAPPELL UNIVERSITY

Wireshark® Workbook 1
Practice, Challenges, and Solutions

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(formerly referred to as the Wireshark Certified Network Analyst program)

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Always ensure you have proper authorization before you listen to or capture network traffic.

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Lab 1: Wireshark Warm-Up

Lab 1 - Q1. _____

Lab 1 - Q2. _____

Lab 1 - Q3. _____

Lab 1 - Q4. _____

Lab 1 - Q5. _____

Lab 1 - Q6. _____

Lab 1 - Q7. _____

Lab 1 - Q8. _____

Lab 1 - Q9. _____

Lab 1 - Q10. _____

Lab 1 - Q11. _____

Lab 1 - Q12. _____

Lab 1 - Q13. _____

Lab 1 - Q14. _____

Lab 1 - Q15. _____

Lab 1 - Q16. _____

Lab 1 - Q17. _____

Lab 1 - Q18. _____

Lab 1 - Q19. _____

Lab 1 - Q20. _____

Lab 1 - Q21. _____

Lab 1 - Q22. _____

Lab 1 - Q23. _____

Lab 1 - Q24. _____

Lab 1 - Q25. _____

Lab 2: Proxy Problem

Lab 2 - Q1. _____

Lab 2 - Q2. _____

Lab 2 - Q3. _____

_____

_____

Lab 2 - Q4. _____

Lab 2 - Q5. _____

Lab 2 - Q6. _____

Lab 2 - Q7. _____

Lab 2 - Q8. _____

Lab 2 - Q9. _____

Lab 2 - Q10. _____

Lab 2 - Q11. _____

Lab 2 - Q12. _____

Lab 2 - Q13. _____

Lab 3: HTTP vs. HTTPS

Lab 3 - Q1. _____

Lab 3 - Q2. _____

Lab 3 - Q3. _____

Lab 3 - Q4. _____

Lab 3 - Q5. _____

Lab 3 - Q6. _____

Lab 3 - Q7. _____

Lab 3 - Q8. _____

Lab 3 - Q9. _____

Lab 3 - Q10. _____

Lab 4: TCP SYN Analysis

Lab 4 - Q1. _____

Lab 4 - Q2. _____

Lab 4 - Q3. _____

Lab 4 - Q4. _____

Lab 4 - Q5. _____

Lab 4 - Q6. _____

Lab 4 - Q7. _____

Lab 4 - Q8. _____

Lab 4 - Q9. _____

Lab 4 - Q10. _____

Lab 4 - Q11. _____

Lab 4 - Q12. _____

Lab 4 - Q13. _____

Lab 4 - Q14. _____

Lab 4 - Q15. _____

Lab 4 - Q16. _____

Lab 5: TCP SEQ/ACK Analysis

Lab 5 - Q1. _____

Lab 5 - Q2. _____

Lab 5 - Q3. _____

Lab 5 - Q4. _____

Lab 5 - Q5. _____

Lab 5 - Q6. _____

Lab 5 - Q7. _____

Lab 5 - Q8. _____

Lab 5 - Q9. _____

Lab 5 - Q10. _____

Lab 5 - Q11. _____

Lab 5 - Q12. _____

Lab 5 - Q13. _____

Lab 5 - Q14. _____

Lab 5 - Q15. _____

Lab 5 - Q16. _____

Lab 5 - Q17. _____

Lab 5 - Q18. _____

Lab 5 - Q19. _____

Lab 6: You're Out of Order!

Lab 6 - Q1. _____

Lab 6 - Q2. _____

Lab 6 - Q3. _____

Lab 6 - Q4. _____

Lab 6 - Q5. _____

Lab 6 - Q6. _____

Lab 6 - Q7. _____

Lab 6 - Q8. _____

Lab 6 - Q9. _____

Lab 6 - Q10. _____

Lab 6 - Q11. _____

Lab 6 - Q12. _____

Lab 6 - Q13. _____

Lab 6 - Q14. _____

Lab 6 - Q15. _____

Lab 6 - Q16. _____

Lab 6 - Q17. _____

Lab 6 - Q18. _____

Lab 6 - Q19. _____

Lab 6 - Q20. _____

Lab 6 - Q21. _____

Lab 6 - Q22. _____

Lab 6 - Q23. _____

Quick Test 1

Let's see where you are on the filters at this point. Write in the display filter for each of the desired traffic.

Traffic to View	Display Filter
SYN packets only	
SYN/ACK packets only	
SYN or SYN/ACK packets	
DNS responses	
TCP Resets	
SACK option in the TCP handshake packets	
DNS queries over IPv6	

Quick Test 2

Let's see how you are doing with the TCP Sequence/Acknowledgment numbering process. Enter the missing number for the image below. Check your answers against the answers on page **Error! Bookmark not defined.**.

[A]=_____

[B]=_____

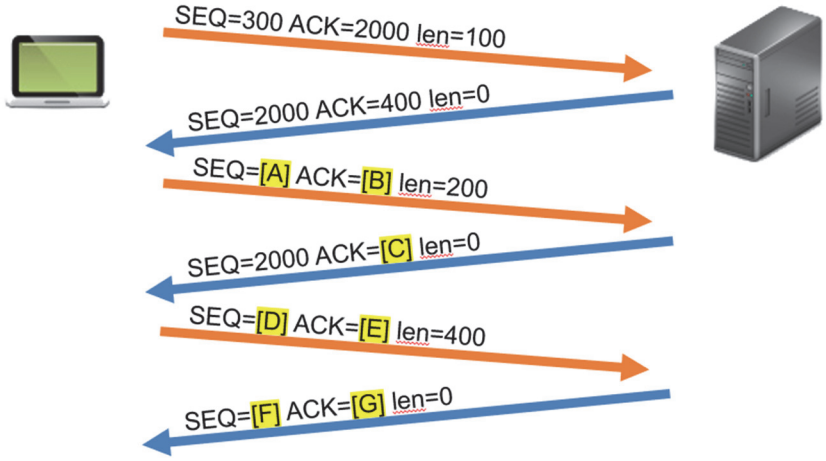
[C]=_____

[D]=_____

[E]=_____

[F]=_____

[G]=_____



Lab 7: Sky High

Lab 7 - Q1. _____

Lab 7 - Q2. _____

Lab 7 - Q3. _____

Lab 7 - Q4. _____

Lab 7 - Q5. _____

Lab 7 - Q6. _____

Lab 7 - Q7. _____

Lab 7 - Q8. _____

Lab 7 - Q9. _____

Lab 7 - Q10. _____

Lab 7 - Q11. _____

Lab 7 - Q12. _____

Lab 7 - Q13. _____

Lab 7 - Q14. _____

Lab 7 - Q15. _____

Lab 7 - Q16. _____

Lab 7 - Q17. _____

Lab 7 - Q18. _____

Lab 8: DNS Warm-Up

Lab 8 - Q1. _____

Lab 8 - Q2. _____

Lab 8 - Q3. _____

Lab 8 - Q4. _____

Lab 8 - Q5. _____

Lab 8 - Q6. _____

Lab 8 - Q7. _____

Lab 8 - Q8. _____

Lab 8 - Q9. _____

Lab 8 - Q10. _____

Lab 8 - Q11. _____

Lab 9: Hacker Watch

Lab 9 - Q1. _____

Lab 9 - Q2. _____

Lab 9 - Q3. _____

Lab 9 - Q4. _____

Lab 9 - Q5. _____

Lab 9 - Q6. _____

Lab 9 - Q7. _____

Lab 9 - Q8. _____

Lab 9 - Q9. _____

_____

_____

_____

_____

Lab 9 - Q10. _____

_____

_____

_____

_____

Lab 10: Timing is Everything

Lab 10 - Q1. _____

Lab 10 - Q2. _____

Lab 10 - Q3. _____

Lab 10 - Q4. _____

Lab 10 - Q5. _____

Lab 10 - Q6. _____

Lab 10 - Q7. _____

Lab 10 - Q8. _____

Lab 10 - Q9. _____

Lab 10 - Q10. _____

Lab 10 - Q11. _____

Lab 10 - Q12. _____

Lab 10 - Q13. _____

_____

_____

_____

Lab 11: The News

Lab 11 - Q1. _____

Lab 11 - Q2. _____

Lab 11 - Q3. _____

Lab 11 - Q4. _____

Lab 11 - Q5. _____

Lab 11 - Q6. _____

Lab 11 - Q7. _____

Lab 11 - Q8. _____

Lab 11 - Q9. _____

Lab 11 - Q10. _____

Lab 11 - Q11. _____

Lab 11 - Q12. _____

Lab 12: Selective ACKs

Lab 12 - Q1. _____

Lab 12 - Q2. _____

Lab 12 - Q3. _____

Lab 12 - Q4. _____

Lab 12 - Q5. _____

Lab 12 - Q6. _____

Lab 12 - Q7. _____

Lab 12 - Q8. _____

Lab 12 - Q9. _____

Lab 12 - Q10. _____

Lab 12 - Q11. _____

Lab 12 - Q12. _____

Lab 12 - Q13. _____

Lab 12 - Q14. _____

Lab 12 - Q15. _____

Lab 12 - Q16. _____

Lab 12 - Q17. _____

Lab 12 - Q18. _____

Lab 12 - Q19. _____

Lab 12 - Q20. _____

Lab 12 - Q21. _____

Lab 13: Just DNS

Lab 13 - Q1. _____

Lab 13 - Q2. _____

Lab 13 - Q3. _____

Lab 13 - Q4. _____

Lab 13 - Q5. _____

Lab 13 - Q6. _____

Lab 13 - Q7. _____

Lab 13 - Q8. _____

Lab 13 - Q9. _____

Lab 13 - Q10. _____

Lab 13 - Q11. _____

Lab 13 - Q12. _____

Lab 13 - Q13. _____

Lab 13 - Q14. _____

Lab 13 - Q15. _____

Lab 13 - Q16. _____

Lab 13 - Q17. _____

Lab 14: Movie Time

Lab 14 - Q1. _____

Lab 14 - Q2. _____

Lab 14 - Q3. _____

Lab 14 - Q4. _____

Lab 14 - Q5. _____

Lab 14 - Q6. _____

Lab 14 - Q7. _____

Lab 14 - Q8. _____

Lab 14 - Q9. _____

Lab 14 - Q10. _____

Lab 14 - Q11. _____

Lab 15: Crafty

Lab 15 - Q1. _____

Lab 15 - Q2. _____

Lab 15 - Q3. _____

Lab 15 - Q4. _____

Lab 15 - Q5. _____

Lab 15 - Q6. _____

Lab 15 - Q7. _____

Lab 15 - Q8. _____

Lab 15 - Q9. _____

Lab 15 - Q10. _____

Lab 16: Pattern Recognition

Lab 16 - Q1. _____

Lab 16 - Q2. _____

Lab 16 - Q3. _____

Lab 16 - Q4. _____

Lab 16 - Q5. _____

Lab 16 - Q6. _____