**School of Computer Science, Wuhan University**

**Lab report**

**Course name computer-networking**

**Professional and grades 2020 software engineering**

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**Collaborators**

**semester 2022 year autumn semester**

**课堂时数 48 课外时数 16**

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**Experiment 1**

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| **Overview of the experiment:** ping another computer |
| **【project name】：**  Ping another computer |
| **【Purpose of the experiment】：**  **Learn how to ping another computer**  **【Experimental environment】：**  **Windows Console**    **【参考资料】：**  Computer networking text book |
| **实验内容** |
| **【实验方案设计】：**  1. Open the cmd command window  2. Ping local computer:  3. Ping another computer:  **【结论】（结果）：**  1.get the result of ping: |
| **【brief summary】：**   By dong this experiment I learned how to use the command ‘ping |
| **Instructor comments and grades** |
| **【Comments】：**          **grades：**           **Instructor signature：**  **Approval date：** |

**Experiment 2**

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| **Overview of the experiment:** tracert a server |
| **【project name】：**  tracert a server |
| **【Purpose of the experiment】：**  **Learn how to** tracert a server  **【Experimental environment】：**  **Windows Console**    **【reference】：**  Computer networking text book |
| **Experimental content** |
| **【Protocol design】：**  1. Same steps as above  2. Use the tracert command to track The Baidu server  **【conclusion】：**  1.get the result of tracert : |
| **【brief summary】：**   By dong this experiment I learned how to use the command “tracert” |
| **Instructor comments and grades** |
| **【Comments】：**          **grades:**           **Instructor Signature:**  **Approval Date:** |

**Experiment 3**

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| **Overview of the experiment:** Wireshark introduction |
| **【project name】：**  Wireshark introduction |
| **【Purpose of the experiment】：**  **Install and have some basic knowledge of wire shark**  **【Experimental environment】：**  **Wire shark**  **【reference】：**  **Wireshark introduction file** |
| **实验内容** |
| **【Protocol design】：**  1.install and open wireshark:  2.choose WLAN to capture package:  3. enter URL：<http://cs.whu.edu.cn/> in browser, when the page is finished,stop the capture.  4.Type in “http” into the display filter specification window at the top of the main Wireshark window and click apply to get HTTP message only:  5.find the HTTP GET message to the cs.whu.edu.cn HTTP server  **6.list another three protocol package:**  **7.time it takes from HTTP GET to HTTP OK:**  **8.my internet address 10.133.176.74;cs.whu.edu.cn internet address is 121.51.23.202.**  **9.** **Print the two HTTP messages 2 above.**  **【conclusion】：**  In the experiment, we learned some basic functions of Wireshark. |
| **【brief summary】：**   In the first lab of Wireshark, I learned how to capture packages in different interface and list them according to their protocol, get Internet address and time that cost to reach the server. |
| **Instructor comments and grades** |
| **【Comments】：**          **grades:**           **Instructor Signature:**  **Approval Date:** |