**Report for Lab 3-1: UDP**

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| 1 | a. Source port number:40747 | b. Destination port number:53 |
| c. Total length of user diagram: 65 | d. Length of data:53 |
| e. Is the packet from client or server? Server | f. Application layer protocol: UDP 17 |
|  | g. Is checksum calculated?: Yes 0x5cd9 | |
| 2 | Are answer in number 1 are verified by the information in the detail pane lane? Yes | |
| 3 | Source and destination IP addresses in the query message: destination : 192.168.1.1  Source: 192.168.1.122  Source and destination IP addresses in the response) message:  D:192.168.1.122  S: 192.168.1.1  Relation between IP addresses:  The source and the destination addresses interchange when the data is incoming and outgoing . | |
| 4 | Source and destination port number in the query message:40747 and 53 respectively  Source and destination port number in the response message:53 and 40747 respectively  Relation between port numbers: The port numbers get interchanged when the data is send and received.  Which port number is well-known?53 since it is used in user datagram protocol | |
| 5 | The length of the first UDP packet: 45  How many bytes of payload are carried by the first UDP packet? 37 | |
| 6 | Number of bytes in the DNS message: 79  Does the count agree with the answer to question 5?No | |
| 7 | Is the checksum calculated for the first UDP packet? No  Value of the checksum: | |