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

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| 1 | a. Source port number: 53 | b. Destination port number: 43516 |
| c. Total length of user datagram: 69 | d. Length of data: 61 |
| e. Is the packet from client or server? Server | f. Application layer protocol: DNS |
|  | g. Is checksum calculated? 0x28b8 (unverified) | |
| 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:  Source – 192.168.29.176 Destination – 192.168.29.1  Source and destination IP addresses in the response message:  Destination – 192.168.29.1 Source - 192.168.29.176  Relation between IP addresses: 192.168.29 | |
| 4 | Source and destination port number in the query message:  Source – 43516 ; Destination - 53  Source and destination port number in the response message:  Source – 53 ; Destination - 43516  Relation between port numbers: The port no. 53 is used by DNS & the Client process is using the port number 43516  Which port number is well-known? Port No.: - 53 for DNS | |
| 5 | The length of the first UDP packet: 69  How many bytes of payload are carried by the first UDP packet? 61 | |
| 6 | Number of bytes in the DNS message: 103 | |
| 7 | Is the checksum calculated for the first UDP packet? - Yes but unverified  Value of the checksum: 0x28b8 | |



