Lab 03
DNS

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Question 1 Run `nslookup` for `www.polyu.edu.hk`, whose IP address is 158.132.48.76.

```
Apple@Ruijies-Macbook-Pro ~ % nslookup www.polyu.edu.hk
Server:         158.132.18.1
Address:        158.132.18.1#53


Name:   www.polyu.edu.hk
Address: 158.132.48.76
```

Question 5 The destination port for the DNS query message and the source port of DNS response message are both 53.

```
User Datagram Protocol, Src Port: 58101, Dst Port: 53
   Source Port: 58101
   Destination Port: 53
User Datagram Protocol, Src Port: 53, Dst Port: 58101
   Source Port: 53
   Destination Port: 58101
```

Question 7 The type of the DNS query is type A, and the message contains no answer.

```
Type: A (1) (Host Address)    Answer RRs: 0
```

Question 11 The destination port for the DNS query message and the source port of DNS response message are both 53.

```
User Datagram Protocol, Src Port: 50576, Dst Port: 53
   Source Port: 50576
   Destination Port: 53
User Datagram Protocol, Src Port: 53, Dst Port: 50576
   Source Port: 53
   Destination Port: 50576
```

Question 13 The type of the DNS query is A, and the message contains no answer.

```
Type: A (1) (Host Address)    Answer RRs: 0
```

Question 17 The type of the query is NS, and the message contains no answer.

```
Type: NS (2) (authoritative Name Server)    Answer RRs: 0
```