

**Started on** Tuesday, 1 October 2024, 9:01 AM

**State** Finished

**Completed on** Tuesday, 1 October 2024, 9:06 AM

**Time taken** 4 mins 24 secs

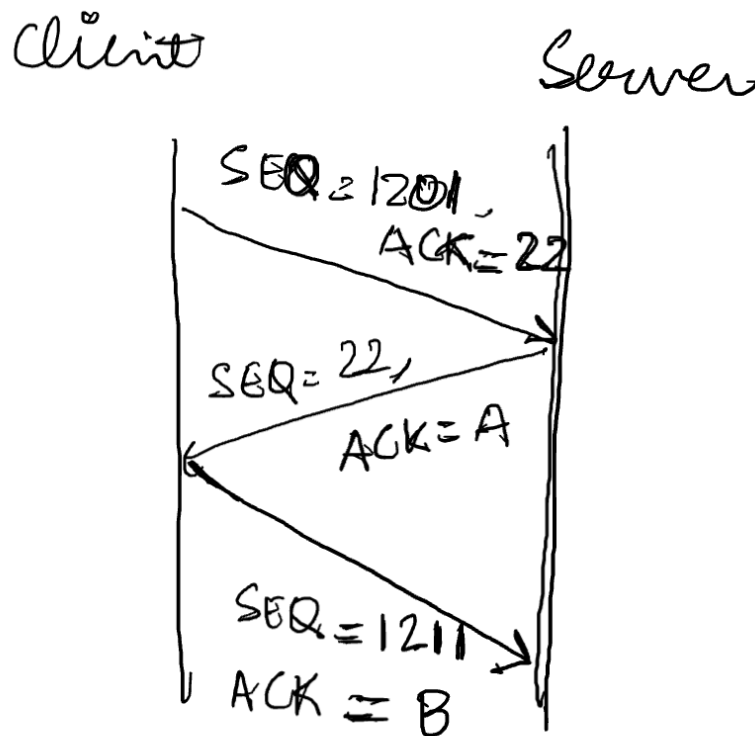
**Grade** 5.00 out of 10.00 (50%)

**Question 1**

Correct

Mark 2.00 out of 2.00

What are the values of A and B assuming the server sent a 100 byte segment?



Select one or more:

- ☐ a. A = 1211, B = 121
- ☐ b. A = 1210, B = 121
- ☐ c. A = 1210, B = 122
- ☒ d. A = 1211, B = 122 ✓

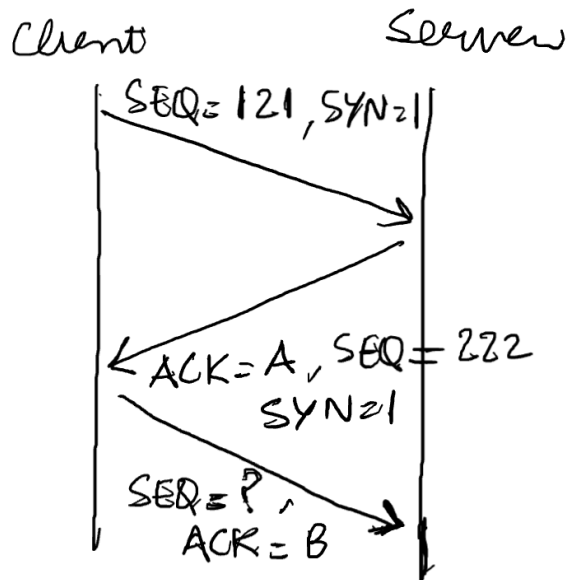
The correct answer is: A = 1211, B = 122

**Question 2**

Correct

Mark 2.00 out of  
2.00

What are the values of A and B in the following TCP handshake?



Select one or more:

- ☐ a.  $A = 122, B = 222$
- ☐ b.  $A = 121, B = 222$
- ☒ c.  $A = 122, B = 223$  ✓
- ☐ d.  $A = 121, B = 223$

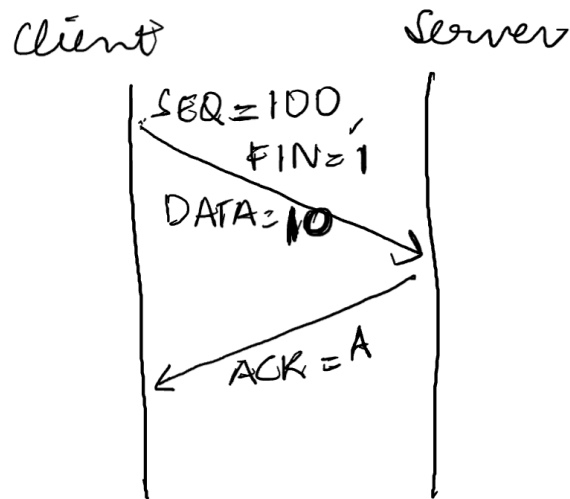
The correct answer is:  $A = 122, B = 223$

**Question 3**

Incorrect

Mark 0.00 out of  
2.00

What is the value of A assuming a 10 byte packet with FIN bit set was sent?



Select one or more:

- ☐ a. 109
- ☐ b. 111
- ☐ c. 108
- ☒ d. 110 ✗

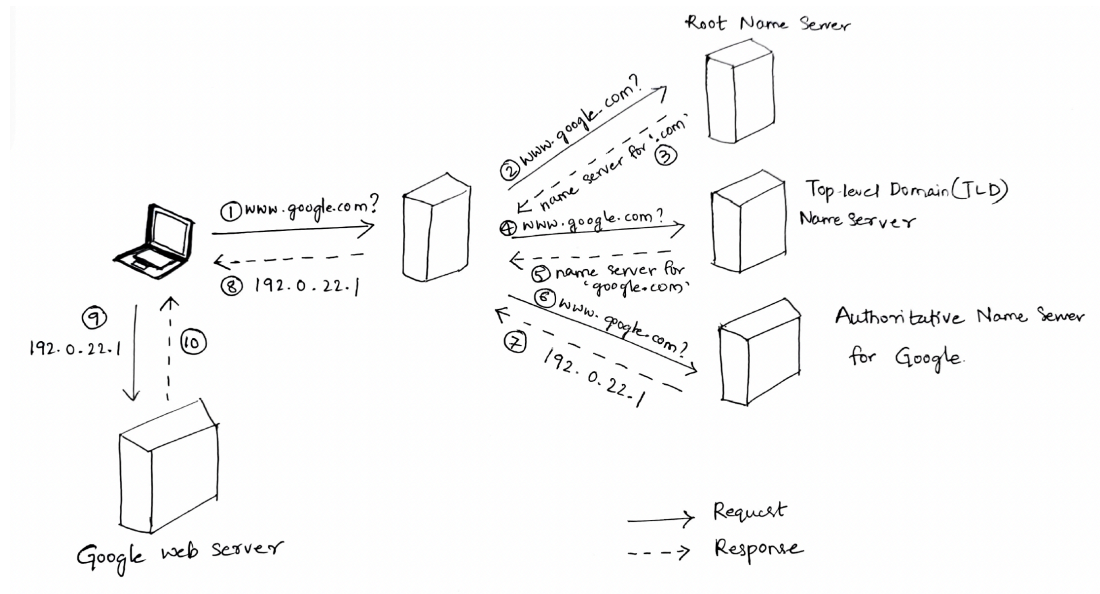
The correct answer is: 111

#### Question 4

Incorrect

Mark 0.00 out of 2.00

Which Transport Protocol is being used in the Diagram shown below:



Select one or more:

- ☐ a. QUIC
- ☒ b. TCP ✓
- ☒ c. UDP ✓
- ☐ d. ICMP

The correct answers are: UDP, TCP, QUIC

**Question 5**

Partially correct

Mark 1.00 out of  
2.00

Which of the following statements are true? Select all that apply.

Select one or more:

- ☐ a. TCP uses 4-way handshaking for connection termination
  - ☐ b. TCP is faster than UDP
  - ☒ c. TCP does not use ACKs corresponding to retransmissions while estimating timeout. ✓
  - ☐ d. UDP is a connection-oriented protocol
1. Which of the following is/are True?
- a. TCP is a connection-oriented protocol
  - b. TCP uses 4-way handshaking for connection establishments
  - c. TCP insures in-order delivery at the receiver
  - d. TCP is faster than UDP
  - e. TCP connections are full duplex

The correct answers are: TCP uses 4-way handshaking for connection termination, TCP does not use ACKs corresponding to retransmissions while estimating timeout.

[◀ Assignment-3](#)[Jump to...](#)[Assignment 4 ▶](#)