



Course Progress

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Questions

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Network sockets 1

1/1 point (graded)

Alice has a connected socket with Bob. How does she send a message to Bob?

write to her socket's input stream	
write to her socket's output stream	
write to Bob's socket's input stream	
write to Bob's socket's output stream	
✓	
Submit	f Show Answer

Network sockets 2

1/1 point (graded)

Which of these is it necessary for a client to know in order to connect to and communicate with a server?

▼ server IP address	
server hostname	
✓ server port number	
server process name	
✓ wire protocol	
✓	
Submit	5 Show Answer
✓ Correct (1/1 point)	
Echo echo echo	
2/2 points (graded)	
In the EchoClient example, which of these might block?	
echoSocket.getInputStream()	
new BufferedReader(new InputStreamReader())	
✓ userInput = stdIn.readLine()	
✓ in.readLine()	
✓	
And in EchoServer, which of these might block?	
new ServerSocket()	
✓ Socket clientSocket = serverSocket.accept()	
inputLine = in.readLine()	
e.getMessage()	

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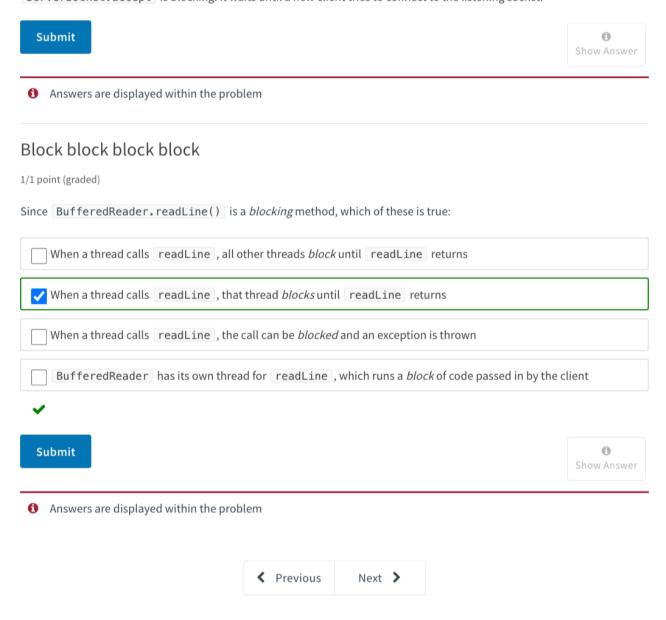


Explanation

Obtaining a new socket, getting its input stream, or wrapping that stream in Reader and BufferedReader will not block. Nor will the getMessage operation of an exception.

readLine is blocking: it waits until new data are available to be read, or the connection is closed.

ServerSocket.accept is blocking: it waits until a new client tries to connect to the listening socket.



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