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Redis streams producers and consumers

## Quiz 11 | Redis streams producers and...

83%

You got 5 out of 6 points.

Submitted on December 27, 10:58 am CST Graded on December 27, 10:58 am CST

1		
$(\vee)$	Correct	ļ

**1** Suppose we run the following command, and that it succeeds:

XADD somestream 155-0 foo bar

Now we run a second command:

XADD somestream 154-1 foo bar

What will be the result of running this second command?

Pick one answer.

- The command completes successfully
- ✓ The command results in an error
  - We cannot determine the result without more information about the contents of the stream
  - The command completes successfully, but returns with a warning

## ○ Correct!

2 As more and more messages are appended to a stream using the XADD command, how should we expect XADD's execution time to change?

Pick one answer.

	<ul> <li>XADD's execution time will increase in a linear fashion as the stream grows in length</li> </ul>
	XADD's execution time will increase in a logarithmic fashion as the stream grows in length
	XADD's execution time will increase in an exponential fashion as the stream grows in length
<b>~</b>	XADD's execution time will remain constant as the stream grows in length
3	Correct!  Which of the following statements about the message payload in a Redis stream are true?  Select all that apply
	Every message in the stream must use the same set of field names
<b>~</b>	The message payload must consist of at least one field-value pair
<b>~</b>	✓ Values stored in message fields will always be of type "string"
	Once added to a stream, field names and values in a message can later be updated
	upuateu
×	Incorrect
× 4	
4	Incorrect
4	Incorrect We have a stream containing 3 messages with IDs as follows: 1-0 2-0 3-0 Which of the following commands would return only the last message added to this
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4	Incorrect We have a stream containing 3 messages with IDs as follows:  1-0 2-0 3-0 Which of the following commands would return only the last message added to this stream?  Select all that apply.  XRANGE teststream - + COUNT 1
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$\otimes$	Correct!
5	Which of the following statements about the XREAD, XRANGE, and XREVRANGE com-
	mands are true?
	Select all that apply.
<b>~</b>	Only XREAD can read from multiple streams at once
	XREAD, XRANGE and XREVRANGE can all be used in a blocking mode
<b>~</b>	XREAD, XRANGE and XREVRANGE all support a COUNT option to set a maximum number of messages returned
<b>~</b>	XREAD can be used in a way that does not require consumers to calculate message IDs when requesting data from the stream
$\otimes$	Correct!
6	In which of the following scenarios is Pub/Sub appropriate to use over Redis Streams? Select all that apply.
	You require at-least-once delivery semantics.
<b>~</b>	You only need at-most-once delivery semantics
	You need to reprocess old messages
<b>~</b>	Clients only ever need to see messages produced while those clients are connected.
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