

In Class Exercises #2

1. What's your name?

2. If machine 1 sends a request to machine 2, we know that the message will arrive in 1 month. Is such a system a ---- ?

Mark only one oval.

- Synchronous system
- Asynchronous system
- Partially synchronous system
- Other: _____

3. If machine 1 sends a request to machine 2, we know that the message will arrive in 1 minute. Is such a system a ---- ?

Mark only one oval.

- Synchronous system
- Asynchronous system
- Partially synchronous system

4. If machine 1 sends a request to machine 2, we know that the message will arrive eventually. It's highly possible that the message will arrive in one day. Is such a system a -- -- ?

Mark only one oval.

- Synchronous system
- Asynchronous system
- Partially synchronous system

5. If machine 1 sends a request to machine 2, we know that the message will arrive eventually. Is such a system a ---- ?

Mark only one oval.

- Synchronous system
- Asynchronous system
- Partially synchronous system

6. The "happen-before" concept is used to describe

Check all that apply.

- real time
- logical time
- causality of events
- Other: _____

7. Lamport's clock preserves... (Check all that apply)

Check all that apply.

- They must preserve program order (i.e., the order of events in one process needs to be preserved by the logical clock)
- They must preserve message order (i.e., a message sent event always needs to proceed that message's receipt event in the logical clock)
- They must preserve real-time order (i.e., any events happen before an event must have lower clock value)

8. Vector clock preserves

Mark only one oval.

- causal order
- total order
- both

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