

Task 1)

a) Why do we “need” cookies?

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We need cookies to store persist information on the client side and identify client to make the communication stateful (because http is stateless).

b) Why is it necessary to call `session_start()` before any output is generated by PHP?

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Um Cookie-basierte Sessions zu verwenden muss `session_start()` aufgerufen werden, bevor irgend etwas an den Browser geschickt wird, weil dies Teil des Headers ist, und somit auch am Beginn ausgeführt werden muss.

c) Cookies are “serialized”. Explain this term.

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The word “serialized” stands for key value pairs of states or configurations (like JSON, key-value pairs, ...) in a human readable style (you can easily transmit them over a medium, and get on the receiver side the values based on the keys).

d) Name one example of a cookie that is deleted when the browser is closed?

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A session cookie for instance? (login) The session will get destroyed after the browser is closed -> same for the cookie.