Is it Separable?

Quiz: (Is it Separable?.) Is y' + xy = x separable?

Choices:

- a) Yes.
- b) No.

Answer: Well, y' = x - xy = x(1 - y) so dy/(1 - y) = xdx: Yes, the equation is separable. We could go on to solve this, but you can do that on your own.

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