

### Our own added Keywords

Keyword	Response
hate	"Hate is a very strong word."
sad	"Always look on the bright side of life!"
exercise	"Exercise causes endorphins to be released, which makes you happy. So you should exercise if you're feeling down!"

What happens when more than one keyword appears in a string? Consider the string "My mother has a dog but no cat." Explain how to prioritize responses in the reply method.

We prioritize based on an arbitrary order of the else if statements. The else if statement about pets is before the one about exercise; therefore, if the user types in something to do with pets and exercise, the chatterbot will reply about pets. The order a statement is typed in is irrelevant. If the user types, "I like to exercise with my dog," the chatterbot will reply, "Tell me more about your pets." The chatterbot does not care if the user types in exercise, unless none of the other keywords were used. If one wants to prioritize searching for a certain keyword, the else if statement pertaining to it should be placed as one of the first else if statements.