a) According to the given functions of our datatype, we can see that our implementation is not in an OOP languge since all the functions given requires an input string to manipulate it. Our data type does not hold a state, and we are familiar these type of be-haviours mostly from languages like C.

b) In OOP Paradigm, all the functions would have one less parameter, and this way it could encapsulate the data that holds the string from outer world and this would be more _reliable_ and _Safe_. But also there wold be a tradeoff in terms of _flexibility_ again copared to imperative and functional implementations. And also OOP would be more _complex_.

c) C++ is the first languge that supports OOP unlike self. In self,

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