Why is strings are immutable in Python

An immutable object is defined object can’t any changes. The user declares any string or value define into a program can’t change it. It will display the same value one created into a program.

* Immutable objects are safe
* Use can read-only objects
* It improved object correctness and clarity
* Number of time to execute code but can’t change the value

The big advantage of having immutable strings is that they can be used as a dictionary key, which means that dictionaries can be used to implement attribute look ups (which they are) - making attribute look up as fast as possible in a dynamic language.

A mutable string type has an immediate problem as a dictionary key - it means that a hash value based on content will change throughout it’s lifetime, which means that the hash can’t be cached.