**Q2. Explain data structures that are mutable versus immutable? (5 marks)**

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**Ans -**

There are two types of objects in python i.e. Mutable and Immutable objects. Whenever an object is instantiated, it is assigned a unique object id. The type of the object is defined at the runtime and it can’t be changed afterwards. However, it’s state can be changed if it is a mutable object.

To summarise the difference, mutable objects can change their state or contents and immutable objects can’t change their state or content.

Immutable Objects : These are of in-built types like int, float, bool, string, unicode, tuple. In simple words, an immutable object can’t be changed after it is created.

Mutable Objects : These are of type list, dict, set . Custom classes are generally mutable.