Mapper and its implementation
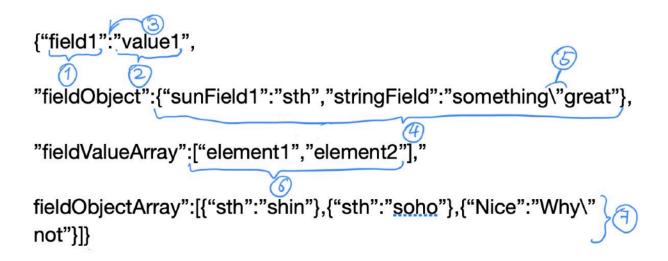
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Structure of Classes

1. CustomMapper - implementation of Mapper.
2. CustomSerializer - util class for serialization.
   1. And a filter function to filter the field to meet the condition.
3. CustomDeserializer - util class for deserilization.
4. Check cycle (isCycle) is motivate by program on https://www.geeksforgeeks.org/detect-cycle-in-a-graph/ (Plz don't bully me…. This is code reusability)
   1. Basically, I save every hash code of parent field (object) and child field. And build graph use hash code and List (get index)

Structure of serialisation

Json-like serialisation:

1. Field name, in quote.
2. Field value, in quote.
3. Spliter between name and value -> ":"
4. Field of object, not in quote, but in brackets.
5. If you want add quote in string, add "\"
6. Array surrounded by "[]" square brackets.

7. Array of object, every object is surrounded by brackets. Array is always surrounded by square brackets.

Example on photo:
{"field1":"value1","fieldObject":{"sunField1":"sth","stringField":"something\"great"},"fieldValueArray":["element1","element2"],"fieldObjectArray":[{"sth":"shin"},{"sth":"soho"},{"Nice":"Why\"not"}]}

Class for test.

Class Bar and Foo
- Field bar0 and bar1 in Foo
- Field foo in Bar
- For check retainidentity and cycle.

Class BookForming, Guest and Preference
- Field for test brackets inside brackets.
- Field for test list and set.
- Field for string.

Record Song
- Check record serialisation and deserialisation.

Class UnknownPolicyTest
- Check UnknownPolicy annotation and enum.

Class NullHandlingAndListEnumTest
- Check NullHandling annotation enum
- Check List of enum.

Class EnumTest
- Check enum serialisation and deserialisation.

Class ReviewComment
- Check serialisation for starter))

Class TimeTest
- Check serialisation for DateTime format and annotation DateFormat()