**Structure of our lecture**

1. **Show the example of language**

This part of language can be used to introduce data serialization, for they are all about data transition from one form to another form.

1. People need something just like language to record their thoughts.
2. When people using different language communicate with each other, they can choose one of their languages.
3. When it comes to a large amount of people, some standards just like English can be made.
4. **Data serialization**

This part can be divided into three parts, using the example of our project.

1. Data serialization in one system.

Example of **data backup** can be used.

1. Data serialization in two systems

Example of data exchange between **WIKI and Q&A** can be used.

1. They can convert their related database to one of their forms.
2. They can convert their related database to a standard one.
3. Data serialization in multiple systems

Example of XML and JSON can be shown.

1. XML

* Basic knowledge of XML
* Application of XML:**RSS**

1. JSON

* Basic knowledge of JSON
* Compare between XML and JSON
* Application of JSON: **instant search**