XML Serialization - What is XML Serialization and Binary Serialization?

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| What is XML Serialization and Binary Serialization?  **XML Serialization** - Makes it possible to convert any common language runtime objects into XML documents or streams and vise versa. - The XML Serialization enables it to convert XML documents into such a meaningful format that the programming languages can process the converted documents with ease.  **Binary serialization**- Converts the files to a binay format. In this case all the data get converted into a binary format which is not a human readable format. In binary serialization entire object state is saved, instance identity is preserved and it graphs with multiple references can be handled in this. - XML serialization does'nt allow these things.  What is XML Serialization and Binary Serialization?  **XML serialization** - XML serialization is all about serializing an object into an XML file. Being an XML file is a flat text file, the file can be viewed, shared by another application. It is a stream of characters. - XML serialization is called shallow serialization because it can serialize only public objects.  **Binary serialization -** Binary serialization is all about serializing an object into a Binary file. Being a binary file is a compact file and cannot be seen like a text file. In binary serialization, image objects can also be serialized. It is a stream of bytes. - Binary serialization is called Deep serialization because it can serialize the object containing references to the other objects. - In Binary serialization the entire object state is saved where as in XML serialization only some of the object data is saved. |