

## SHORT NOTES / JAXP

1. JAXP stands for JAVA API for XML Parsing
2. This is a PART of JAVA SE platform
3. This supports the PROCESSING of XML document USING Document Object Model (DOM) , Simple API for XML (SAX) , and Extensible Stylesheet Language Transformation (XSLT)- Originally called **TraX**. Recently in JDK 6 JAXP was added with the StAX api as well
4. JAXP also provide **XML VALIDATION** via javax.xml.validation package
5. JAXP validation supports DTD and SCHEMA validation both
6. JAXP enables applications to PARSE and TRANSFORM XML documents INDEPENDENT of a PARTICULAR XML processing implementation
7. JAXP provides NAMESPACE support which allows working with different schemas which might otherwise have CONFLICTS
8. XSLT help in data and structural transformation of an XML document. JAXP provides this facility as well
9. JAXP can parse an XML document which does not have a proper DTD as well. But JAXB can not
10. JAXB is with regards to obtaining JAVA OBJECT representations , while JAXP is with regards to parsing XML documents and get the content and do something useful with it
11. XML  $\leftrightarrow$  JAXB  $\leftarrow \rightarrow$  JAVA OBJECTS
12. XML  $\rightarrow$  JAXP  $\rightarrow$  get the content and do something useful