PARSING XML FILE USING SAX PARSER

NAME- KANHAIYA

SECTION-K

UNIVERSITY ROLLNO.-1918404

CLASS ROLLNO-30

WHAT IS PARSER

- Parser is just some kind of program that can break up on XML file into more meaningful pieces like the element name , and the attribute name and text ,nodes etc.

XML OVERVIEW

- **Extensible markup language is a meta-language that describe the content of the document .**

(java=portable program)

(XML=portable data)

- **XML does not specify the tag set grammer of the language.**

(tag set – markup tags that have meaning to a language processor)

(grammer – rules that defines correct usage of a language's tags)

SAX(SIMPLE API XML)

- Java SAX parser stands for Simple API for XML. SAX parser parses an XML file line by line. It triggers events when it encounters the opening tag, closing tag, and character data in an xml file. SAX parser is also called the event-based parser.

- SAX parser does not load any XML file into memory. It does not create any object representation of the XML document. SAX parser uses call back function to inform clients of the XML document structure. It is faster and uses less memory than DOM parser.

WHAT IS XML PARSER?

- It is a software library(or a package) that provides methods (or interface) for client application to work with XML documents.

- It may validate the documents .

- It doe a lot of other detailed things so that a clients is shielded from that complexities .

DIFFERENCE BTW **HTML** AND **XML**

- HTML is a specific language .

- HTML has container tags and standalone tags.

- HTML tags and element name is not case sensitive .

- HTML clients tolerate syntax errors.

- XML is a family of languages.

- XML only has container tags.

- XML tags and element name is always case sensitive .

- XML requires single and double quotes .