**Exp No: 1**  **Date: 19/03/2021**

**Creating XML Documents**

**Aim:**

1) Create a XML document to store resume

2) Create a XML document to store the details of personal book review management system.

**Theory:**

What is XML ?

Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. The design goals of XML focus on simplicity, generality, and usability across the Internet. It is a textual data format with strong support via Unicode for different human languages. Although the design of XML focuses on documents, the language is widely used for the representation of arbitrary data structures such as those used in web services.

1. XML stands for extensible Markup Language
2. XML is a markup language like [HTML](https://www.geeksforgeeks.org/html-basics/)
3. XML is designed to store and transport data
4. XML is designed to be self-descriptive

Syntax for creating XML document

<root>  
  <child>  
    <subchild>.....</subchild>  
  </child>  
</root>

The XML document can optionally have an XML declaration. It is written as follows −

<?xml version = "1.0" encoding = "UTF-8"?>

Where *version* is the XML version and *encoding* specifies the character encoding used in the document.

Syntax Rules for XML Declaration

* The XML declaration is case sensitive and must begin with "**<?xml>**" where "**xml**" is written in lower-case.
* If document contains XML declaration, then it strictly needs to be the first statement of the XML document.
* XML must contain a single root element and it is case-sensitive.

Advantages of XML

* XML uses human, not computer, language. XML is readable and understandable, even by novices, and no more difficult to code than HTML.
* XML is completely compatible with Java™ and 100% portable. Any application that can process XML can use your information, regardless of platform.
* XML is extendable. Create your own tags, or use tags created by others, that use the natural language of your domain, that have the attributes you need, and that makes sense to you and your users.

**Program:**

1. Resume

<? xml version="1.0" ?>

<resume>

<personal-details>

<name>

<firstname>Vedita</firstname>

<middlename>Vinod</middlename>

<surname>Kamat</surname>

</name>

<address>

<hno>Bunglow-16</hno>

<landmark>Behind Sai Service</landmark>

<city>Porvorim</city>

<zip-code>403521</zip-code>

<state>Goa</state>

<country>India</country>

</address>

<phno>

<country-code>+91</country-code>

<area-code>832</area-code>

<no>7083247533</no>

</phno>

<profile>

<email>kamatvedita99@gmail.com</email>

<medium>@kamatvedita99</medium>

<github>@kamatvedita99</github>

<linkedin>Vedita Kamat</linkedin>

</profile>

</personal-details>

<education-details>

<school>

<name>Goa College of Engineering Farmagudi-Goa</name>

<duration>

<start-year>2017</start-year>

<end-year>Present</end-year>

</duration>

<specialisation>Computer Engineering</specialisation>

<summary>Studied different subjects like Data Structures, DBMS, Image Processing, Web Services and implemented projects to gain deeper insights</summary>

</school>

<school>

<name>Dempo Higher Secondary School of Science</name>

<duration>

<start-year>2015</start-year>

<end-year>2017</end-year>

</duration>

<specialisation>HSSC</specialisation>

<summary>Studied Physics, Chemistry,advanced Mathematics and Computer Science.</summary>

</school>

<school>

<name>Dr.K.B. Hedgewar High School Mala-Panaji Goa</name>

<duration>

<start-year>2002</start-year>

<end-year>2015</end-year>

</duration>

<specialisation>SSC</specialisation>

<summary>Studied core subjects and theatre arts(3 years training).</summary>

</school>

</education-details>

<project-details>

<project>

<title>StackOverflow Automation Tool</title>

<project-summary>It automates the process of searching errors occurred during running of Python,C or C++ code file.It extracts the eerrortype and errormessage and opens relevant windows in browser.</project-summary>

<duration>

<start-date>March 2021</start-date>

<end-date>Present</end-date>

</duration>

</project>

<project>

<title>You Tube Transcript Summary Extension</title>

<project-summary>It is a chrome extension that takes in the Youtube transcript as input and summarizes it.</project-summary>

<duration>

<start-date>March 2021</start-date>

<end-date>Present</end-date>

</duration>

</project>

<project>

<title>Covid-19 Sentiment Analysis Dashboard </title>

<project-summary>Aimed to understand the emotions of people during Lockdown 1.0 to 4.0.Provides in-depth visualization of outcomes.</project-summary>

<duration>

<start-date>March 2021</start-date>

<end-date>Present</end-date>

</duration>

</project>

</project-details>

<interest-details>

<core-interests>

<interest>Web Development(Back-end)</interest>

<interest>Data Science</interest>

<interest>Competitive Coding</interest>

<interest>Personality Development</interest>

</core-interests>

<other-interests>

<interest>Content Writing(Blog)</interest>

<interest>Reading</interest>

<interest>theatre-arts</interest>

<interest>Cooking</interest>

</other-interests>

</interest-details>

</resume>

1. Book Review Management System

<? xml version="1.0" ?>

<books>

<book>

<title>The PCOD and Thyroid Book</title>

<authors>

<author>Rujuta Diwekar</author>

</authors>

<publisher>Westland</publisher>

<category>Health and Fitness</category>

<genres>

<genre>Non-fiction</genre>

</genres>

<duration>

<start-date>

<day>5</day>

<month>March</month>

<year>2021</year>

</start-date>

<end-date>

<day>12</day>

<month> March</month>

<year>2021</year>

</end-date>

</duration>

<quotes>

<quote>Work on the knowns(body) to control the unknowns(hormones).</quote>

<quote>Focus on gaining health rather than losing weight.</quote>

<quote>Feeling uncomfortable, irritable and cramping before/after periods is ABNORMAL.</quote>

</quotes>

<characters>

<character>None</character>

</characters>

<related-articles>

<article>

<source>Medium</source>

<link>https://kamatvedita99.medium.com/pcod-busting-the-myths-of-fitness-weight-loss-53567af36ad3</link>

</article>

</related-articles>

<summary>

<positive-points>

<positive-point>The book is a myth buster and clears many aspects related to nutrition , fitness.</positive-point>

<positive-point>She provides the scientific reasoning behind every concept, illustrative examples and mumbaiyya language that keeps you glued.</positive-point>

</positive-points>

<negative-points>

<negative-point>The book is repetitive in nature, many concepts are repeated throughout the book.</negative-point>

</negative-points>

</summary>

<rating>⭐⭐⭐⭐</rating>

<review>A must read for someone worried about PCOD/PCOS or Thyroid issue. This book teaches you the nutrition, sleep, exercise and relationship strategies that will change your perspective and redefine health in beautiful ways.</review>

</book>

<book>

<title>The 5 AM Club</title>

<authors>

<author>Robin Sharma</author>

</authors>

<publisher>Jaico Publication House</publisher>

<category>Personality Development</category>

<genres>

<genre>Non-fiction</genre>

</genres>

<duration>

<start-date>

<day>13</day>

<month>March</month>

<year>2021</year>

</start-date>

<end-date>

<day>19</day>

<month>March</month>

<year>2021</year>

</end-date>

</duration>

<quotes>

<quote>Own your morning. Elevate your life!</quote>

</quotes>

<characters>

<character>The Spellbinder</character>

<character>Enterpreneur</character>

<character>Artist</character>

<character>Riley Stone</character>

</characters>

<related-articles>

<article>

<source>Medium</source>

<link>https://kamatvedita99.medium.com/</link>

</article>

</related-articles>

<summary>

<positive-points>

<positive-point>Teaches the importance of waking up early.</positive-point>

<positive-point>Introduces some crazy concepts like 20-20-20 rule, focusses of history-makers, healthset, heartset, soulset,mindset etc. </positive-point>

</positive-points>

<negative-points>

<negative-point>A little lengthy to read.</negative-point>

</negative-points>

</summary>

<rating>⭐⭐⭐⭐⭐</rating>

<review>Have you ever wanted to take charge of your life but felt demotivated ? Do you have the will power to make changes to your life that will ensure success and fulfillment? If you answered YES, grab this book and become a 5AC member! Even the sky is not the limit ! </review>

</book>

</books>

**Conclusion:** XML documents for resume and personal book review management system were created successfully.