



What is SGML ?

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In this article, we are going to learn about [SGML](#). SGML stands for Standard generalized markup language is a Standard generalized markup language that makes use of a superset of extensively used markup languages like HTML and XML. It is used for marking up files and has the gain of now no longer be depending on a particular application.

It is basically derived from **GML** (Generalized Markup Language), which allowed users to work on standardized formatting styles for electronic documents. It was developed and standardized by the **International Organization for Standards** (ISO) in 1986. SGML specifies the rules for tagging elements. These tags can then be interpreted to layout factors in specific ways.

It is used extensively to manipulate massive files which are a concern with common revisions and want to be published in one-of-a-kind formats due to the fact it's far a massive and complicated system, it isn't always but extensively used on private computers.

Components of SGML:

AD

- SGML provides a way of describing the relationships between these entities, elements, and attributes, and tells the computer how it can recognize the component parts of a document and it is based on the concept of a document being composed of a series of entities (object).

- **Document Type Definition (DTD)** in SGML is used to describe each element of the document in a form that the computer can understand.

SGML is the simplest medium to produce files that can be read by people and exchanged between machines and applications in a straightforward manner. It is easy to understand by the human as well as the machine.

Structure of SGML:

```
<mainObject>  
  <subObject>  
  </subObject>  
</mainObject>
```

The extension of SGML files is:

File_Name.sgml

Syntax:

```
<NAME TYPE="user">  
  Geeks for Geeks  
</NAME>
```

Example 1:

SGML

```
<EMAIL>  
  <SENDER>  
    <PERSON>  
      <FIRSTNAME>GEEKS FOR GEEKS</FIRSTNAME>  
    </PERSON>  
  </SENDER>  
  <BODY>  
    <p>A Computer Science Portal For Geeks</p>  
  </BODY>  
</EMAIL>
```

Output:

GEEKS FOR GEEKS

A Computer Science Portal For Geeks

simple Paragraph

Example 2:

SGML

```
<EMAIL>
  <RECEIVER>
    <PERSON>
      <FIRSTNAME>Krishna</FIRSTNAME>
    </PERSON>
  </RECEIVER>
  <BODY>
    <p>It is a name of the person.</p>
  </BODY>
</EMAIL>
```

Output:

Krishna

It is a name of the person.

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