**What does the XML language represent? What is it used for?**

XML (Extensible Markup Language) is a popular and widely-implemented standard. You can use XML to create documents and data records that are fully portable and platform-independent.

XML is a new type of language which has been developed for the web which is different to any other type of scripting or programming language available before. Instead of being concerned with the processing and display of data, XML's primary purpose is to tell the computer what data entered actually means.

The real use of XML, though, is to describe data. It is used, in a similar way in which HTML is, except for the fact that there is a major difference between the two:

HTML is used to describe how data is formatted. XML is used to describe what data actually means.

**What do namespaces represent in an XML document? What are they used for?**

XML Namespaces provide a method to avoid element name conflicts.

When using prefixes in XML, a namespace for the prefix must be defined.

The namespace can be defined by an xmlns attribute in the start tag of an element.

The namespace declaration has the following syntax. xmlns:prefix="URI".