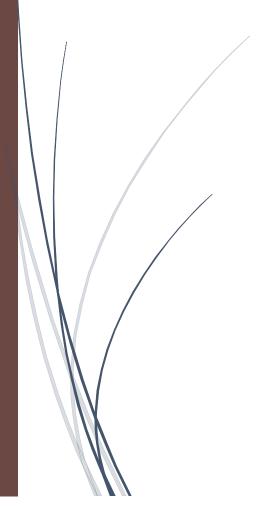
23/05/2024

Rapport des fonctions

Module low



MEFLAH YOUSRA 1CS -Groupe 5

XSLT & XPATH ELEMENT

<u>xsl:number:</u> Generates a sequence number for nodes selected by xsl:for-each or xsl:apply-templates.

xsl:decimal-format: Defines formatting options for numbers.

<u>xsl:fallback:</u> Specifies an alternative behavior in case a particular extension element or function is not supported.

<u>xsl:message:</u> Sends a message to the output, typically used for debugging purposes.

xsl:document: Creates additional output documents during transformation.

<u>xsl:result-document:</u> Similar to xsl:document, but allows finer control over the creation of output documents.

<u>xsl:namespace-alias:</u> Specifies namespace mappings during transformation.

<u>xsl:analyze-string:</u> Performs regular expression matching on a string and extracts matched substrings.

xsl:perform-sort: Allows sorting of nodes based on specified criteria.

xsl:sequence: Creates a sequence of items, useful for constructing complex output.

xsl:next-match: Used within template rules to invoke the next matching template.

xsl:namespace: Generates namespace nodes in the result tree.

xsl:character-map: Defines mappings from characters to strings for use in text output.

position() = last(): evaluates to true only for the last node, and not() negates that to exclude
the last node.

<u>element[string-length(@attribute) < 5]:</u>This selects all element nodes in the XML document where the length of the value of the attribute named attribute is less than 5 characters.

<u>element[contains(@attribute, 'substring')]:</u>Explanation: This selects all element nodes in the XML document where the value of the attribute named attribute contains the substring 'substring'.

XQUERY & XQUF ELEMENT

<u>xdmp:document-properties:</u> This function retrieves the properties of a document in a MarkLogic Server database.

<u>fn:encode-for-uri:</u> This function encodes a string according to the rules for the application/x-www-form-urlencoded MIME type, which is suitable for use in a URI.

<u>fn:decode-uri:</u> This function decodes a string that has been encoded using percent-encoding, as specified by RFC 3986.

<u>xdmp:document-timestamp</u>: Returns the last modified timestamp of a document in a MarkLogic Server database.

<u>fn:serialize</u>: Serializes an XQuery value into a sequence of bytes according to a specified serialization parameter.

<u>xdmp:quote:</u> Escapes special characters in a string to make it safe for use in an XQuery expression.

<u>map:merge</u>: Merges multiple maps into a single map, resolving conflicts by preference for values from later maps.

<u>fn:parse-xml-fragment:</u> Parses a string containing an XML fragment into an XML document node.

<u>fn:path:</u> Returns a string representing the path to a node in the XML document hierarchy.

<u>fn:compare:</u> Compares two values according to the XPath 2.0 Value Comparison rules and returns -1, 0, or 1 depending on whether the first value is less than, equal to, or greater than the second value.

DOM & SAX ELEMENT

DOM Methods:

<u>Document.createElementNS(namespaceURI, qualifiedName)</u>: Creates a new element node with the specified namespace URI and qualified name.

<u>Element.setIdAttributeNS(namespaceURI, localName, isId)</u>: Marks an attribute with the given namespace URI and local name as an ID attribute.

<u>Node.isDefaultNamespace(namespaceURI)</u>: Returns true if the specified namespace URI is the default namespace for the current node.

<u>Node.normalize():</u> Merges adjacent text nodes and eliminates empty text nodes within the subtree of the current node.

<u>NodeList.item(index):</u> Returns the node at the specified index in the NodeList.

SAX Events:

<u>DTDHandler.unparsedEntityDecl(name, publicId, systemId, notationName</u>): Notifies the application of an unparsed entity declaration event.

<u>EntityResolver.resolveEntity(publicId, systemId):</u> Allows the application to resolve external entities.

<u>ErrorHandler.error(exception)</u>: Receives notification of a recoverable error.

<u>DeclHandler.externalEntityDecl(name, publicId, systemId)</u>: Notifies the application of an external entity declaration event.

<u>ContentHandler.skippedEntity(name)</u>: Notifies the application that a skipped entity is encountered.