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# Rapport des fonctions

Module low

MEFLAH YOUSRA  
1CS -Groupe 5

## XSLT & XPATH ELEMENT

[xsl:number](#): Generates a sequence number for nodes selected by xsl:for-each or xsl:apply-templates.

[xsl:decimal-format](#): Defines formatting options for numbers.

[xsl:fallback](#): Specifies an alternative behavior in case a particular extension element or function is not supported.

[xsl:message](#): Sends a message to the output, typically used for debugging purposes.

[xsl:document](#): Creates additional output documents during transformation.

[xsl:result-document](#): Similar to xsl:document, but allows finer control over the creation of output documents.

[xsl:namespace-alias](#): Specifies namespace mappings during transformation.

[xsl:analyze-string](#): 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.

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

[element\[string-length\(@attribute\) < 5\]](#): 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.

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

## XQUERY & XQF ELEMENT

[xdmp:document-properties:](#) This function retrieves the properties of a document in a MarkLogic Server database.

[fn:encode-for-uri:](#) 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.

[fn:decode-uri:](#) This function decodes a string that has been encoded using percent-encoding, as specified by RFC 3986.

[xdmp:document-timestamp:](#) Returns the last modified timestamp of a document in a MarkLogic Server database.

[fn:serialize:](#) Serializes an XQuery value into a sequence of bytes according to a specified serialization parameter.

[xdmp:quote:](#) Escapes special characters in a string to make it safe for use in an XQuery expression.

[map:merge:](#) Merges multiple maps into a single map, resolving conflicts by preference for values from later maps.

[fn:parse-xml-fragment:](#) Parses a string containing an XML fragment into an XML document node.

[fn:path:](#) Returns a string representing the path to a node in the XML document hierarchy.

[fn:compare:](#) 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:

[Document.createElementNS\(namespaceURI, qualifiedName\)](#): Creates a new element node with the specified namespace URI and qualified name.

[Element.setAttributeNS\(namespaceURI, localName, isId\)](#): Marks an attribute with the given namespace URI and local name as an ID attribute.

[Node.isDefaultNamespace\(namespaceURI\)](#): Returns true if the specified namespace URI is the default namespace for the current node.

[Node.normalize\(\)](#): Merges adjacent text nodes and eliminates empty text nodes within the subtree of the current node.

[NodeList.item\(index\)](#): Returns the node at the specified index in the NodeList.

### SAX Events:

[DTDHandler.unparsedEntityDecl\(name, publicId, systemId, notationName\)](#): Notifies the application of an unparsed entity declaration event.

[EntityResolver.resolveEntity\(publicId, systemId\)](#): Allows the application to resolve external entities.

[ErrorHandler.error\(exception\)](#): Receives notification of a recoverable error.

[DeclHandler.externalEntityDecl\(name, publicId, systemId\)](#): Notifies the application of an external entity declaration event.

[ContentHandler.skippedEntity\(name\)](#): Notifies the application that a skipped entity is encountered.