

# Java DOM Level 2 Quick Reference (package [org.w3c.dom](http://org.w3c.dom))

## public interface Node

### Constants:

```
short ATTRIBUTE_NODE
short CDATA_SECTION_NODE
short COMMENT_NODE
short DOCUMENT_FRAGMENT_NODE
short DOCUMENT_NODE
short DOCUMENT_TYPE_NODE
short ELEMENT_NODE
short ENTITY_NODE
short ENTITY_REFERENCE_NODE
short NOTATION_NODE
short PROCESSING_INSTRUCTION_NODE
short TEXT_NODE
```

### Methods:

```
short getNodeTypeId();
String getNodeName();
String getLocalName();
String getPrefix();
void setPrefix(String prefix) throws DOMException;
String getNamespaceURI();

String getNodeValue() throws DOMException;
void setNodeValue(String nodeValue) throws DOMException;

Document getOwnerDocument();
Node getParentNode();
boolean hasChildNodes();
NodeList getChildNodes();
```

```
Node getFirstChild();
Node getLastChild();
Node getPreviousSibling();
Node getNextSibling();
boolean hasAttributes();
NamedNodeMap getAttributes();

Node appendChild(Node newChild) throws DOMException;
Node insertBefore(Node newChild, Node refChild) throws DOMException;
Node replaceChild(Node newChild, Node oldChild) throws DOMException;
Node removeChild(Node oldChild) throws DOMException;

Node cloneNode(boolean deep);
void normalize();
boolean isSupported(String feature, String version);
```

## public interface Attr

### Methods:

```
String getName();
String getValue();
void setValue(String value) throws DOMException;
boolean getSpecified();
Element getOwnerElement();
```

## public interface CharacterData

### Methods:

```
int getLength();
String getData() throws DOMException;
void setData(String data) throws DOMException;
String substringData(int offset, int count) throws DOMException;
void appendData(String arg) throws DOMException;
void deleteData(int offset, int count) throws DOMException;
void insertData(int offset, String arg) throws DOMException;
void replaceData(int offset, int count, String arg) throws DOMException;
```

## public interface Comment

## public interface Text

```
Methods:
Text splitText(int offset) throws DOMException;
```

## public interface CDATASection

## public interface Document

### Methods:

```
DocumentType getDoctype();
Element getDocumentElement();
DOMImplementation getImplementation();

Attr createAttribute(String name) throws DOMException;
Attr createAttributeNS(String namespaceURI, String qName) throws DOMException;

CDATASection createCDATASection(String data) throws DOMException;

Comment createComment(String data);
DocumentFragment createDocumentFragment();
Element createElement(String tagName) throws DOMException;
Element createElementNS(String namespaceURI, String qName) throws DOMException;
EntityReference createEntityReference(String name) throws DOMException;
ProcessingInstruction createProcessingInstruction(String target, String data) throws DOMException;
Text createTextNode(String data);

Node importNode(Node importedNode, boolean deep) throws DOMException;
Element getElementById(String elementId);
NodeList getElementsByTagName(String tagName);
NodeList getElementsByTagNameNS(String namespaceURI, String localName);
```

## public interface DocumentFragment

## public interface Element

### Methods:

```
String getTagName();
String getAttribute(String name);
String getAttributeNS(String namespaceURI, String localName);
void setAttribute(String name, String value) throws DOMException;
void setAttributeNS(String namespaceURI, String qName, String value) throws DOMException;
void removeAttribute(String name) throws DOMException;
void removeAttributeNS(String namespaceURI, String localName) throws DOMException;

Attr getAttributeNode(String name);
Attr getAttributeNodeNS(String namespaceURI, String localName);
Attr setAttributeNode(Attr newAttr) throws DOMException;
Attr setAttributeNodeNS(Attr newAttr) throws DOMException;
Attr removeAttributeNode(Attr oldAttr) throws DOMException;
NodeList getElementsByTagName(String name);
NodeList getElementsByTagNameNS(String namespaceURI, String localName);

boolean hasAttribute(String name);
boolean hasAttributeNS(String namespaceURI, String localName);
```

## public interface DocumentType

### Methods:

```
String getName();
String getPublicId();
String getSystemId();
String getInternalSubset();
NamedNodeMap getEntities();
NamedNodeMap getNotations();
```

## public interface Entity

### Methods:

```
String getPublicId();
String getSystemId();
String getNotationName();
```

## public interface ProcessingInstruction

### Methods:

```
String getTarget();
String getData();
void setData(String data) throws DOMException;
```

## public class DOMException

### Fields:

```
short code
static short DOMSTRING_SIZE_ERR
static short HIERARCHY_REQUEST_ERR
static short INDEX_SIZE_ERR
static short INUSE_ATTRIBUTE_ERR
static short INVALID_ACCESS_ERR
static short INVALID_CHARACTER_ERR
static short INVALID_MODIFICATION_ERR
static short INVALID_STATE_ERR
static short NAMESPACE_ERR
static short NO_DATA_ALLOWED_ERR
static short NO_MODIFICATION_ALLOWED_ERR
static short NOT_FOUND_ERR
static short NOT_SUPPORTED_ERR
static short SYNTAX_ERR
static short WRONG_DOCUMENT_ERR
```

### Constructors:

```
DOMException(short code, String message);
```

## public interface DOMImplementation

### Methods:

```
boolean hasFeature(String feature, String version);
DocumentType createDocumentType(String qName, String publicId, String systemId) throws DOMException;
Document createDocument(String namespaceURI, String qName, DocumentType docType) throws DOMException;
```

## public interface NamedNodeMap

### Methods:

```
int getLength();
Node item(int index);

Node getNamedItem(String name);
Node getNamedItemNS(String namespaceURI, String localName);
Node setNamedItem(Node arg) throws DOMException;
Node setNamedItemNS(Node arg) throws DOMException;
Node removeNamedItem(String name) throws DOMException;
Node removeNamedItemNS(String namespaceURI, String localName) throws DOMException;
```

## public interface NodeList

### Methods:

```
int getLength();
Node item(int index);
```

## public interface EntityReference

## public interface Notation

```
Methods:
String getPublicId();
String getSystemId();
```