XSaveContext, XFindContext, XDeleteContext, XUniqueContext − associative look-up routines

int XSaveContext(*display***,** *rid***,** *context***,** *data***)**
   Display **display***;**
   XID *rid***;**
   XContext *context***;**
   XPointer *data***;**
int XFindContext(*display*, *rid*, *context*, *data_return*)
   Display *display;
   XID *rid*;
   XContext *context*;
   XPointer *data_return;
int XDeleteContext(*display*, *rid*, *context*)
   Display *display;
   XID *rid*;
   XContext *context*;
XContext XUniqueContext( )

context	Specifies the context type to which the data belongs.
data	Specifies the data to be associated with the window and type.
data_return	Returns the data.
display	Specifies the connection to the X server.
rid	Specifies the resource ID with which the data is associated.

If an entry with the specified resource ID and type already exists, XSaveContext overrides it with the specified context. The **XSaveContext** function returns a nonzero error code if an error has occurred and zero otherwise. Possible errors are **XCNOMEM** (out of memory).

Because it is a return value, the data is a pointer. The **XFindContext** function returns a nonzero error code if an error has occurred and zero otherwise. Possible errors are **XCNOENT** (context-not-found).

The **XDeleteContext** function deletes the entry for the given resource ID and type from the data structure. This function returns the same error codes that **XFindContext** returns if called with the same arguments. **XDeleteContext** does not free the data whose address was saved.

The **XUniqueContext** function creates a unique context type that may be used in subsequent calls to **XSaveContext**.

Xlib − C Language X Interface