NAME

PEXFetchElements - Fetch Elements

SYNTAX

Status PEXFetchElements(Display **display*, PEXStructure *structure*, int *whence1*, long *offset1*, int *whence2*, long *offset2*, int *float_format*, unsigned long **count_return*, unsigned long **length_return*, char ***ocs_return*)

PARAMETERS

display	A pointer to a display structure returned by a successful **XOpenDisplay** call.
structure	The resource identifier of the structure.
whence1	A value specifying, with *offset1*, the first limit of the range of elements to be fetched (**PEXBeginning, PEXCurrent, PEXEnd**).
offset1	The offset from *whence1* denoting the first limit of the range of elements to be fetched.
whence2	A value specifying, with *offset2*, the second limit of the range of elements to be fetched (**PEXBeginning, PEXCurrent, PEXEnd**).
offset2	The offset from *whence2* denoting the second limit of the range of elements to be fetched.
float_format	The floating point format to use when formatting the output commands to be fetched (**PEXIEEE_754_32, PEXDEC_F_Floating, PEXIEEE_754_64, PEXDEC_D_Floating**).
count_return	Returns the number of output commands returned.
length_return	Returns the length, in bytes, of the output commands fetched.
ocs_return	Returns a pointer to protocol-formatted output commands (structure elements).

RETURNS

Zero if unsuccessful, non-zero otherwise.

DESCRIPTION

This function fetches a range of structure elements from the specified *structure.*

If either computed offset is less than zero, it is set to zero before fetching the structure elements. If either computed offset is greater than the number of elements in the *structure,* it is set to the offset of the last structure element in the *structure.* The element pointer attribute of *structure* is not affected by this command. No information will be returned for inquiries on element offset zero.

An null pointer is returned is the requested floating point format is not supported.

Any text or annotation text output commands returned will be formatted as encoded text or encoded annotation text.

PEXlib allocates memory for the return value. **XFree** should be called to deallocate the memory.

DATA STRUCTURES

typedef XID PEXStructure;

ERRORS

BadPEXFloatingPointFormat
The specified floating point format is invalid or unsupported.

BadPEXStructure
The specified *structure* resource identifier is invalid.

BadValue
The specified value for whence parameter is invalid.

SEE ALSO

PEXCreateStructure(3)
PEXDecodeOCs(3)
PEXEncodeOCs(3)
PEXSendOCs(3)