XQueryPointer – get pointer coordinates

Bool XQueryPointer(*display*, *w*, *root_return*, *child_return*, *root_x_return*, *root_y_return*,
　　　win_x_return, *win_y_return*, *mask_return*)
　　Display **display***;**
　　Window *w***;**
　　Window **root_return***, ****child_return***;**
　　int **root_x_return***, ****root_y_return***;**
　　int **win_x_return***, ****win_y_return***;**
　　unsigned int **mask_return***;**

child_return	Returns the child window that the pointer is located in, if any.
display	Specifies the connection to the X server.
mask_return	Returns the current state of the modifier keys and pointer buttons.
root_return	Returns the root window that the pointer is in.
root_x_return	
root_y_return	Return the pointer coordinates relative to the root window's origin.
w	Specifies the window.
win_x_return	
win_y_return	Return the pointer coordinates relative to the specified window.

The XQueryPointer function returns the root window the pointer is logically on and the pointer coordinates relative to the root window's origin. If **XQueryPointer** returns **False**, the pointer is not on the same screen as the specified window, and **XQueryPointer** returns **None** to child_return and zero to win_x_return and win_y_return. If **XQueryPointer** returns **True**, the pointer coordinates returned to win_x_return and win_y_return are relative to the origin of the specified window. In this case, **XQueryPointer** returns the child that contains the pointer, if any, or else **None** to child_return.

XQueryPointer returns the current logical state of the keyboard buttons and the modifier keys in mask_return. It sets mask_return to the bitwise inclusive OR of one or more of the button or modifier key bitmasks to match the current state of the mouse buttons and the modifier keys.

XQueryPointer can generate a **BadWindow** error.

BadWindow A value for a Window argument does not name a defined Window.

XGetWindowAttributes(3X11), XQueryTree(3X11)
Xlib − C Language X Interface