XQueryPointer – get pointer coordinates

```c
Bool XQueryPointer(display, w, root_return, child_return, root_x_return, root_y_return,
                    win_x_return, win_y_return, mask_return)
```

- `Display *display;` Specifies the connection to the X server.
- `Window w;` Specifies the window.
- `Window *root_return, *child_return;` Returns the child window that the pointer is located in, if any.
- `int *root_x_return, *root_y_return;` Returns the root window that the pointer is in.
- `int *win_x_return, *win_y_return;` Return the pointer coordinates relative to the root window’s origin.
- `unsigned int *mask_return;` Returns the current 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*