**XStringToKeysym, XKeysymToString, XKeycodeToKeysym, XKeysymToKeycode, XConvertCase –
convert keysyms**

KeySym XStringToKeysym(*string***)**
  char **string***;**
char *XKeysymToString(*keysym*)
  KeySym *keysym*;

KeySym XKeycodeToKeysym(*display*, *keycode*, *index*)
  Display **display*;
  KeyCode *keycode*;
  int *index*;

KeyCode XKeysymToKeycode(*display*, *keysym*)
  Display **display*;
  KeySym *keysym*;

void XConvertCase(*keysym*, *lower_return*, *upper_return*)
  KeySym *keysym*;
  KeySym **lower_return*;
  KeySym **upper_return*;

display   Specifies the connection to the X server.

index   Specifies the element of KeyCode vector.

keycode   Specifies the KeyCode.

keysym   Specifies the KeySym that is to be searched for or converted.

lower_return   Returns the lowercase form of keysym, or keysym.

string   Specifies the name of the KeySym that is to be converted.

upper_return   Returns the uppercase form of keysym, or keysym.

Standard KeySym names are obtained from <X11/keysymdef.h> by removing the XK_ prefix from each
name. KeySyms that are not part of the Xlib standard also may be obtained with this function. The set of
KeySyms that are available in this manner and the mechanisms by which Xlib obtains them is
implementation-dependent.

If the KeySym name is not in the Host Portable Character Encoding, the result is implementation-
dependent. If the specified string does not match a valid KeySym, **XStringToKeysym** returns **NoSymbol**.

The returned string is in a static area and must not be modified. The returned string is in the Host Portable
Character Encoding. If the specified KeySym is not defined, **XKeysymToString** returns a NULL.

The **XKeycodeToKeysym** function uses internal Xlib tables and returns the KeySym defined for the
specified KeyCode and the element of the KeyCode vector. If no symbol is defined, **XKeycodeToKeysym**
returns **NoSymbol**.

If the specified KeySym is not defined for any KeyCode, **XKeysymToKeycode** returns zero.

The **XConvertCase** function returns the uppercase and lowercase forms of the specified Keysym, if the
KeySym is subject to case conversion; otherwise, the specified KeySym is returned to both lower_return
and upper_return. Support for conversion of other than Latin and Cyrillic KeySyms is implementation-
dependent.

XLookupKeysym(3X11)
Xlib − C Language X Interface