XtGetSubresources, XtVaGetSubresources – obtain subresources

void XtGetSubresources(w, base, name, class, resources, num_resources, args, num_args)
    Widget w;
    XtPointer base;
    String name;
    String class;
    XtResourceList resources;
    Cardinal num_resources;
    ArgList args;
    Cardinal num_args;
void XtVaGetSubresources(w, base, name, class, resources, num_resources, ...)
    Widget w;
    XtPointer base;
    String name;
    String class;
    XtResourceList resources;
    Cardinal num_resources;

args        Specifies the argument list to override resources obtained from the resource database.
base        Specifies the base address of the subpart data structure where the resources should be written.
class       Specifies the class of the subpart.
name        Specifies the name of the subpart.
num_args    Specifies the number of arguments in the argument list.
num_resources Specifies the number of resources in the resource list.
resources   Specifies the resource list for the subpart.
w           Specifies the widget that wants resources for a subpart or that identifies the resource data-
            base to search.
...         Specifies the variable arguments to override resources obtained from the resource data-
            base.

The XtGetSubresources function constructs a name/class list from the application name/class, the name/classes of all its ancestors, and the widget itself. Then, it appends to this list the name/class pair passed in. The resources are fetched from the argument list, the resource database, or the default values in the resource list. Then, they are copied into the subpart record. If args is NULL, num_args must be zero. However, if num_args is zero, the argument list is not referenced.

XtGetApplicationResources, XtVaGetApplicationResources
X Toolkit Intrinsics – C Language Interface
Xlib – C Language X Interface