Chandra X-ray Center

AHELP for CIAO 3.4   # is_defined   Context: slangrtl

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Synopsis

Indicate whether a variable or function defined.

Syntax

```
Integer_Type is_defined (String_Type obj)
```

Description

This function is used to determine whether or not a function or variable whose name is obj has been defined. If obj is not defined, the function returns 0. Otherwise, it returns a non−zero value that defpends on the type of object obj represents. Specifically, it returns one of the following values:

```
    +1 if an intrinsic function
    +2 if user defined function
    −1 if intrinsic variable
    −2 if user defined variable
     0 if undefined
```

Example

For example, consider the function:

```
    define runhooks (hook)
    {
       if (2 == is_defined(hook)) eval(hook);
    }
```

This function could be called from another S−Lang function to allow customization of that function, e.g., if the function represents a mode, the hook could be called to setup keybindings for the mode.

See Also

slangrtl

     class_id, class_type, eqs, get_defined_symbols, get_reference, is_initialized, pop_args, push_args, uninitialize, apropos, function_name, nargs, typeof, array_info, autoload, dup, eval, evalfile, getenv, is_struct_type, length, make_printable_string, set_slang_load_path, typecast, typeof

is_defined