



AHELP for CIAO 3.4

array_info

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Synopsis

Returns information about an array

Syntax

```
(Array_Type, Integer_Type, DataType_Type) array_info (Array_Type a)
```

Description

The `array_info` function returns information about the array `a`. It returns three values: an 1–d integer array specifying the size of each dimension of `a`, the number of dimensions of `a`, and the data type of `a`.

Example

The `array_info` function may be used to find the number of rows of an array:

```
define num_rows (a)
{
  variable dims, num_dims, data_type;

  (dims, num_dims, data_type) = array_info (a);
  return dims [0];
}
```

For 1–d arrays, this information is more easily obtained from the `length` function.

See Also

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[__class_id](#), [__class_type](#), [__eqs](#), [__get_reference](#), [__is_initialized](#), [__pop_args](#), [__push_args](#), [__nargs](#), [__reshape](#), [__typeof](#), [array_map](#), [assoc_get_keys](#), [bstrlen](#), [dup](#), [get_struct_field](#), [is_defined](#), [is_struct_type](#), [length](#), [listdir](#), [max](#), [min](#), [reshape](#), [set_struct_field](#), [strlen](#), [sum](#), [transpose](#), [typecast](#), [typeof](#), [where](#)

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http://cxc.harvard.edu/ciao3.4/array_info.tm.html
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