

# Jinx Core Library

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## Using the Core Library

The Jinx core library contains a number of functions that are generally useful, such as outputting debug text and manipulating collections. To use the core library in a Jinx script, you must add the following text to the beginning of your script:

```
import core

-- other script code follows...
```

## Core Functions

### function write {params}

The write function sends text to the registered debug out function. It will attempt to convert any parameter type to a string, and will iterate over the values of a collection, sending each value to the debug out function in turn.

### function write line {params}

Operates similarly to the write function, but sends a newline character when finished.

### function return {param} size

Returns the count or size of param as an integer for supported types, otherwise returns null.

- Collection – Returns the number of elements.
- String – Returns the number of characters.
- Buffer – Returns the number of bytes in the buffer.

### function return {params} is empty

Returns true or false for supported types, otherwise returns null.

- Collection – Returns true if empty, false if not.
- String – Returns true if empty, false if not.
- Buffer – Returns true if empty, false if not.

### function add {values} to {coll}

Adds values to existing collection.

### **function remove {indices} from {coll}**

Remove from existing collection using indices. If a collection is passed to the parameter indices, the values in the collection are assumed to be indices. Otherwise, the parameter value itself is assumed to be the index.

### **function remove value/values {values} from {coll}**

Remove from existing collection using values. If a collection is passed to the parameter values, the values in the collection are treated as values to be removed. Otherwise, the parameter itself is used as the value. This function must perform a linear search for the value or values to remove, so be aware of the performance implications.

## **Core Properties**

### **public newline is "\n"**

The public property `newline` is primarily intended for use as a parameter for the `write` or `write line` functions.