

# MiscListCursorPositioning

**Adopted By:** MiscList

**Declared In:** MiscProtocols.h

## Protocol Description

The **MiscListCursorPositioning** protocol is a set of calls for a List class for moving through. These methods let you set a *cursor* which keeps track of the current position in a List class. The rest of the methods allow a program to move forward, backward, and to determine the current position. This protocol is designed for loop constructs.

## Method Types

Setting the position

- setFirstObject
- setLastObject

Querying the position

- setNextObject
- setPreviousObject
- setTo:
- currentPosition

## Instance Methods

### **currentPosition**

- (unsigned int)**currentPosition**

Returns the index of the record to which the cursor is currently pointing.

### **setFirstObject**

- **setFirstObject**

Sets the cursor to point to the first record in the container and returns that record. Returns **nil** if the container holds no records.

### **setLastObject**

- **setLastObject**

Sets the cursor to point to the last record in the container and returns that record. Returns **nil** if the container holds no records.

### **setNextObject**

- **setNextObject**

Sets the cursor to point to the next record in the container and returns that record. Returns **nil** and doesn't move the cursor if it's currently pointing to the last record.

### **setPreviousObject**

- **setPreviousObject**

Sets the cursor to point to the previous record in the container and returns that record. Returns **nil** and doesn't move the cursor if it's currently pointing to the first record.

### **setTo:**

- **setTo:**(unsigned int)*index*

Sets the cursor to point to the *index*'th record in the container and returns that record. Returns **nil** and doesn't move the cursor if *index* is out of bounds.