# Appendix A

## API

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| Class | Operations |
| Array | new-array(size)  get(index)  set(index, object)  copy(srcindex, srcarray, destinationindex, destinationarray)  copy-descending(srcindex, srcarray, destinationindex, destinationarray)  index-of(element) |
| List | initialize(initialSize)  add(object)  length()  index-of(object)  get(id)  insert-at(index, object)  remove(object)  remove-at(id) |
| Integer | to-string()  subtract(other)  add(other)  multiply(other)  divide(other)  modulo(other)  compare-to(other)  negate()  is-true()  get-hashcode() |
| String | get-hashcode()  equals(other)  compare-to(other)  substring(start, count)  split(splitter)  index-of(substring)  last-index-of(substring)  concat(otherString)  length() |
| Object | get-type()  to-string()  equals(other)  is-true()  is-false() |
| Console | write-line(str)  write-line()  write(str)  read-line() |
| Exception | initialize(message)  to-string()  message() |
| Visibility | initialize(vis)  is-public()  is-protected()  is-private()  is-none()  to-string()  equals(other) |
| Threading | start(obj)  join()  run()  sleep(milis) |
| Class | name()  visibility()  parent-class()  super-class-names()  super-classes()  default-message-handler()  message-handlers()  inner-classes()  equals(other)  full-name()  to-string()  trace(console)  trace(console, indent)  pad(console, indent) |
| MessageHandler | name()  argument-count()  visibility()  is-external()  is-default()  equals(other)  to-string() |