# Access

Rule Engine · https://2yetis.net/docs/access/

| Operator | Description |
| --- | --- |
| Array access | Array elements may be accessed using either square brackets or a dotted numeral, e.g. arr1[0] and arr1.0 are equivalent |
| List access | List elements may be accessed using either square brackets or a dotted numeral, e.g. list[0] and list.0 are equivalent |
| Map access | Map elements are accessed using square brackets, e.g. map[0]; map['name']; map[var]; Note that map['7'] and map[7] refer to different elements. Map elements with a numeric key may also be accessed using a dotted numeral, e.g. map[0] and map.0 are equivalent.<br>Note that map.1 and map.01 refer to different elements, while map.1 and map[01] are equivalent. |
| JavaBean property access | Properties of JavaBean objects that define appropriate getter methods can be accessed using either square brackets or a dotted numeral, e.g. foo['bar'] and foo.bar are equivalent. The appropriate Foo.getBar() method will be called.<br>Note that both foo.Bar and foo.bar can be used |
| Indexed JavaBean property access | Indexed properties of JavaBean objects that define appropriate getter methods can be accessed using either square brackets or a dotted numeral, e.g. x.attribute['name'] and x.attribute.name are equivalent. The appropriate Foo.getAttribute(String index) method will be called |
| Public field access | Public fields of java objects can be accessed using either square brackets or a dotted numeral, e.g. foo['bar'] and foo.bar are equivalent. |
| Duck-typed collection property access | Properties of Java classes that define public Object get(String name) method can be accessed using either square brackets or a dotted numeral, e.g. foo['bar'] and foo.bar are equivalent. The appropriate Foo.get(String index) method will be called with the argument of "bar" String |