

## **Wikiprint Book**

**Title: [projects/jpf-mango/archive/Generalization](#)**

**Subject: Java Path Finder - [projects/jpf-mango/archive/Generalization](#)**

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## Table of Contents

Case Generalization	3
Object java.lang.reflect.Array.get(Object array, int index)	3



array.getClass()Ljava/lang/Class; does not throw invocation exception  
array.getClass()Ljava/lang/Class; resolves in class java.lang.Object.getClass()Ljava/lang/Class;  
array.isArray()Z does not throw invocation exception  
Class-object array is an array  
Class-object array.getComponentType()Ljava/lang/Class; resolves in class  
java.lang.Class.getComponentType()Ljava/lang/Class;  
Class-object array.isArray()Z resolves in class java.lang.Class.isArray()Z  
component class of array.getName()Ljava/lang/String; resolves in class java.lang.Class.getName()Ljava/lang/String;  
java.lang.String.compareTo(Ljava/lang/String;)I does not throw invocation exception

#0.java.lang.TYPE.value = array.index

Returns java.lang.Object: #0

assumptions: 'TYPE --> double

assumptions: 'TYPE --> float

assumptions: 'TYPE --> long

assumptions: 'TYPE --> int

assumptions: 'TYPE --> short

assumptions: 'TYPE --> byte

assumptions: 'TYPE --> char

3

hypotheses

case false

array is defined

array.index equals 0

component class of Class-object array equals boolean

index is greater than or equal to 0

index is less than length of the Array array

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component class of array.getName()Ljava/lang/String; resolves in class java.lang.Class.getName()Ljava/lang/String;  
java.lang.String.compareTo(Ljava/lang/String;)I does not throw invocation exception

case true

array is defined

array.index does not equal 0

component class of Class-object array equals boolean

index is greater than or equal to 0

index is less than length of the Array array

array.getClass()Ljava/lang/Class; does not throw invocation exception  
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java.lang.Class.getComponentType()Ljava/lang/Class;  
Class-object array.isArray()Z resolves in class java.lang.Class.isArray()Z  
component class of array.getName()Ljava/lang/String; resolves in class java.lang.Class.getName()Ljava/lang/String;  
java.lang.String.compareTo(Ljava/lang/String;)I does not throw invocation exception  
java.lang.String.compareToIgnoreCase(Ljava/lang/String;)I does not throw invocation exception

#0.java.lang.Boolean.value = BOOLEAN

Returns java.lang.Object: #0

case true: 'BOOLEAN --> 1

case false: 'BOOLEAN --> 0