

CLASS java.lang.Class

Availability: JDK 1.0

```

public final class Class extends Object implements Serializable {
    // No Constructor
    // Class Methods
    public static native Class forName(String className) throws ClassNotFoundException;
    // Public Instance Methods
    public native ClassLoader getClassLoader();
1.1 public Class[] getClasses();
1.1 public native Class getComponentType();
1.1 public Constructor getConstructor(Class[] parameterTypes) throws NoSuchMethodException,
    SecurityException;
1.1 public Constructor[] getConstructors() throws SecurityException;
1.1 public Class[] getDeclaredClasses() throws SecurityException;
1.1 public Constructor getDeclaredConstructor(Class[] parameterTypes) throws
    NoSuchMethodException,
    SecurityException;
1.1 public Constructor[] getDeclaredConstructors() throws SecurityException;
1.1 public Field getDeclaredField(String name) throws NoSuchFieldException,
    SecurityException;
1.1 public Field[] getDeclaredFields() throws SecurityException;
1.1 public Method getDeclaredMethod(String name, Class[] parameterTypes) throws
    NoSuchMethodException, SecurityException;
1.1 public Method[] getDeclaredMethods() throws SecurityException;
1.1 public Class getDeclaringClass();
1.1 public Field getField(String name) throws NoSuchFieldException, SecurityException;

```

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1.1 public Field[] getFields() throws SecurityException;
    public native Class[] getInterfaces();
1.1 public Method getMethod(String name, Class[] parameterTypes) throws
    NoSuchMethodException, SecurityException;
1.1 public Method[] getMethods() throws SecurityException;
1.1 public native int getModifiers();
    public native String getName();
1.1 public URL getResource(String name);
1.1 public InputStream getResourceAsStream(String name);
1.1 public native Object[] getSigners();
    public native Class getSuperclass();
1.1 public native boolean isArray();
1.1 public native boolean isAssignableFrom(Class cls);
1.1 public native boolean isInstance(Object obj);
    public native boolean isInterface();
1.1 public native boolean isPrimitive();
    public native Object newInstance() throws InstantiationException,
    IllegalAccessException;
    public String toString(); // Overrides Object.toString\(\)
}

```

Passed To:

[Array.newInstance\(\)](#), [BeanDescriptor.BeanDescriptor\(\)](#), [Beans.getInstanceOf\(\)](#), [Beans.isInstanceOf\(\)](#), [Class.getConstructor\(\)](#), [Class.getDeclaredConstructor\(\)](#), [Class.getDeclaredMethod\(\)](#), [Class.getMethod\(\)](#), [Class.isAssignableFrom\(\)](#), [ClassLoader.resolveClass\(\)](#), [ClassLoader.setSigners\(\)](#), [Compiler.compileClass\(\)](#), [DataFlavor.DataFlavor\(\)](#), [EventSetDescriptor.EventSetDescriptor\(\)](#), [IndexedPropertyDescriptor.IndexedPropertyDescriptor\(\)](#), [Introspector.getBeanInfo\(\)](#), [ObjectOutputStream.annotateClass\(\)](#), [ObjectStreamClass.lookup\(\)](#), [PropertyDescriptor.PropertyDescriptor\(\)](#), [PropertyDescriptor.setPropertyEditorClass\(\)](#), [PropertyEditorManager.findEditor\(\)](#), [PropertyEditorManager.registerEditor\(\)](#), [RMISecurityManager.checkMemberAccess\(\)](#), [SecurityManager.checkMemberAccess\(\)](#).

Returned By:

[BeanDescriptor.getBeanClass\(\)](#), [BeanDescriptor.getCustomizerClass\(\)](#), [Class.forName\(\)](#), [Class.getClasses\(\)](#),

[Class.getComponentType\(\)](#), [Class.getDeclaredClasses\(\)](#), [Class.getDeclaringClass\(\)](#), [Class.getInterfaces\(\)](#), [Class.getSuperclass\(\)](#), [ClassLoader.defineClass\(\)](#), [ClassLoader.findLoadedClass\(\)](#), [ClassLoader.findSystemClass\(\)](#), [ClassLoader.loadClass\(\)](#), [Constructor.getDeclaringClass\(\)](#), [Constructor.getExceptionTypes\(\)](#), [Constructor.getParameterTypes\(\)](#), [DataFlavor.getRepresentationClass\(\)](#), [EventSetDescriptor.getListenerType\(\)](#), [Field.getDeclaringClass\(\)](#), [Field.getType\(\)](#), [IndexedPropertyDescriptor.getIndexedPropertyType\(\)](#), [LoaderHandler.loadClass\(\)](#), [Member.getDeclaringClass\(\)](#), [Method.getDeclaringClass\(\)](#), [Method.getExceptionTypes\(\)](#), [Method.getParameterTypes\(\)](#), [Method.getReturnType\(\)](#), [Object.getClass\(\)](#), [ObjectInputStream.resolveClass\(\)](#), [ObjectStreamClass.forClass\(\)](#), [PropertyDescriptor.getPropertyEditorClass\(\)](#), [PropertyDescriptor.getPropertyType\(\)](#), [RMIClassLoader.loadClass\(\)](#), [SecurityManager.currentLoadedClass\(\)](#), [SecurityManager.getClassContext\(\)](#).

Type Of:

[Boolean.TYPE](#), [Byte.TYPE](#), [Character.TYPE](#), [Double.TYPE](#), [Float.TYPE](#), [Integer.TYPE](#), [Long.TYPE](#), [Short.TYPE](#), [Void.TYPE](#).

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