Class sun.tools.debug.RemoteObject

```
java.lang.Object
   |
   +----sun.tools.debug.RemoteValue
           |
           +----sun.tools.debug.RemoteObject
```

---

public class **RemoteObject**
extends RemoteValue

The RemoteObject class allows access to an object in a remote Java interpreter. Remote objects are not created by the local debugger, but are returned by the remote debugging agent when queried for the values of instance or static variables of known objects (such as classes), or from local (stack) variables. Each remote object has a reference cached by the remote Java interpreter, so that the object will not be garbage−collected during examination. The RemoteDebugger's gc() operation frees references to objects that are no longer being examined.

See Also:
RemoteDebugger, RemoteClass, RemoteString, RemoteThread, RemoteThreadGroup

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o **description**()
Return a description of the object.
o **getClazz**()
Returns the object's class.
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Return an instance variable, specified by slot number.
o **getField**(String)
Return an instance variable, specified by name.
o **getFieldValue**(int)
Returns the value of an object's instance variable.
o **getFieldValue**(String)
Returns the value of an object's instance variable.
o **getFields**()
Return the instance (non−static) fields of an object.

o **getId**()
Returns the id of the object.
o **toString**()
Return object as a string.
o **typeName**()
Returns the RemoteValue's type name ("Object").

Methods

o **typeName**

```
public String typeName() throws Exception
```

Returns the RemoteValue's type name ("Object").
Overrides:
typeName in class RemoteValue

o **getId**

```
public final int getId()
```

Returns the id of the object.

o **getClazz**

```
public final RemoteClass getClazz()
```

Returns the object's class.

o **getFieldValue**

```
public RemoteValue getFieldValue(int n) throws Exception
```

Returns the value of an object's instance variable.
Parameters:
n – the slot number of the variable to be returned.

o **getFieldValue**

```
public RemoteValue getFieldValue(String name) throws Exception
```

Returns the value of an object's instance variable.
Parameters:
name – the name of the instance variable
Returns:
the variable as a RemoteValue, or null if name not found.

o **getFields**

```
public RemoteField[] getFields() throws Exception
```

Return the instance (non−static) fields of an object.

o **getField**

```
public RemoteField getField(int n) throws Exception
```

Return an instance variable, specified by slot number.
Parameters:
n − the slot number of the variable to be returned.

o **getField**

```
public RemoteField getField(String name) throws Exception
```

Return an instance variable, specified by name.
Parameters:
name − the name of the instance variable
Returns:
the variable as a RemoteField, or null if name not found.

o **description**

```
public String description()
```

Return a description of the object.
Overrides:
description in class RemoteValue

o **toString**

```
public String toString()
```

Return object as a string.
Overrides:
toString in class Object