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jminusminus

## Class Member

- [java.lang.Object](#)
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```
abstract class Member
extends Object
```

A wrapper for members (eg Fields, Methods, Constructors) in the Java API. Members are used in message expressions, field selections, and new object construction operations.

### • Constructor Summary

Constructors

#### Constructor and Description

**Member** ( )

### • Method Summary

Methods

Modifier and Type

Method and Description

Type

**declaringType** ( )

Return the type in which this member was declared.

boolean

**isAbstract** ( )

Has this member been declared with the abstract modifier?

boolean	<b>isFinal()</b> Has this member been declared with the final modifier? Note, we cannot declare anything final as it is not in our lexicon.
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boolean	<b>isPrivate()</b> Has this member been declared with the private modifier?
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boolean	<b>isProtected()</b> Has this member been declared with the protected modifier?
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boolean	<b>isPublic()</b> Has this member been declared with the public modifier?
---------	--

boolean	<b>isStatic()</b> Has this member been declared with the static modifier?
---------	--

protected abstract Member	<b>member()</b> Return the member's internal representation.
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String	<b>name()</b> Return the member's (simple) name
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## Assignment Project Exam Help

- **Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait

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- **Constructor Detail**

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- **Member**

Member()

- **Method Detail**

- **name**

publicStringname()

Return the member's (simple) name.

**Returns:**

the name.

- **declaringType**

publicTypedeclaringType()

Return the type in which this member was declared.

**Returns:**

the declaring type.

- **isStatic**

publicbooleanisStatic()

Has this member been declared with the static modifier?

**Returns:**

is the member static?

- **isPublic**

`publicbooleanisPublic()`

Has this member been declared with the public modifier?

**Returns:**

is the member public?

- **isProtected**

`publicbooleanisProtected()`

Has this member been declared with the protected modifier?

**Returns:**

is the member protected?

- **isPrivate**

`publicbooleanisPrivate()`

Has this member been declared with the private modifier?

**Returns:**

is the member private?

- **isAbstract**

`publicbooleanisAbstract()`

Has this member been declared with the abstract modifier?

**Returns:**

is the member abstract?

- **isFinal**

`publicbooleanisFinal()`

Has this member been declared with the final modifier? Note, we cannot declare anything final as it is not in our lexicon. But we may refer to names that are declared final in the java API and so we (may) want to honor those declarations.

**Returns:**

is the member final?

- **member**

`protected abstractMembermember()`

Return the member's internal representation.

**Returns:**

the internal representation.

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