

# Calling a specific operation

You can use the following APIs to call an operation

```
object callOperation(String name)
object callOperation(String name, List<?> arguments)
object callOperation(Object_ object, String name)
object callOperation(Object_ object, String name, List<?> arguments)
object callOperation(Object_ object, String name, List<?> arguments, boolean isSynchronous)
```

If the object is omitted then context (self) is used automatically.

The following example shows how to call a specified operation in ALH API by passing the operation's name

```
value = ALH.callOperation("test");
```

You can also give initial parameter values in which the arguments lists must be created by executing the following code

```
arguments = ALH.createList();
arguments.add("value1");
arguments.add("value2");
value = ALH.callOperation("test", arguments);
```

If a found Behavior value is null or an argument's size is not equal to the in or inout parameter's size of the found Behavior, an `IllegalArgumentException` will be thrown.



## Information

Alternatively, you can use ALH API through the fUML object syntax, with `$session$` from [predefined variables](#) and `object.callOperation($session$, operationName, arguments)`. For example:

- `Object.callOperation($session$, "test");`
- `Object.callOperation($session$, "test", arguments);`
- `Object.callOperation($session$, "test", arguments, true);`