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Subject: lambda functions in IDL-python bridge

Posted by [Helder Marchetto](#) on Fri, 04 Sep 2015 13:55:28 GMT

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Hi,

I've got the next problem, using a lambda function in the python sorted function.

Consider this easy python example:

```
d0 = {'sorted': 1, 'unsorted': 0}
d1 = {'sorted': 5, 'unsorted': 1}
d2 = {'sorted': 3, 'unsorted': 2}
d3 = {'sorted': 7, 'unsorted': 3}
d4 = {'sorted': 4, 'unsorted': 4}
l = [d0,d1,d2,d3,d4]
sorted(l, key = lambda x:x['sorted'])
```

The result would be:

```
[{'sorted': 1, 'unsorted': 0},
 {'sorted': 3, 'unsorted': 2},
 {'sorted': 4, 'unsorted': 4},
 {'sorted': 5, 'unsorted': 1},
 {'sorted': 7, 'unsorted': 3}]
```

Now if I would want to do this in IDL, things would get difficult. Suppose I get a dictionary (or a simple object with a property...) as a result of an operation and I want to sort this result according to a specific property... how do I do that in IDL?

The synthax:

```
matches = Python.sorted(matches, key = lambda(x: x.distance))
```

will give me a compilation error.

Thanks,  
Helder

PS: I found a different solution to this problem using IDL. I import all properties in an idl variable, sort the variable and apply this to the list. A python solution would be though nice, just to know how to deal with lambda functions.

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