import "oaidl.idl";

import "ocidl.idl";

typedef

[

uuid(0a411e93-aeb0-4b84-8722-b237a1b87ba1)

]

struct Pair {

double a;

double b;

} Pair;

typedef

[

uuid(00b7e135-f7a3-42f8-b65b-ecd106b3c17d)

]

struct Point {

double x;

double y;

} Point;

[

object,

/\*

the oleautomation flag enables universal marshalling on non-dispatch

interfaces. See Don Box, Page 220.

\*/

oleautomation,

uuid(368ce4db-5f87-4927-b134-2a955c1dea1f),

]

interface IMyInterface : IUnknown {

[propget, id(10), helpstring("returns the id of the server")]

HRESULT id([out, retval] UINT \*pid);

[propget, id(11), helpstring("the name of the server")]

HRESULT name([out, retval] BSTR \*pname);

[propput, id(11), helpstring("the name of the server")]

HRESULT name([in] BSTR name);

[id(12), helpstring("a method that receives an BSTR [in] parameter")]

HRESULT SetName([in] BSTR name);

[id(13), helpstring("evaluate an expression and return the result")]

HRESULT eval([in] BSTR what, [out, retval] VARIANT \*presult);

/\* Some methods that use defaultvalues \*/

[id(14)]

HRESULT do\_cy([in, defaultvalue(32.78)] CURRENCY \*value);

[id(15)]

HRESULT do\_date([in, defaultvalue(32)] DATE \*value);

[id(16), helpstring("execute a statement")]

HRESULT Exec([in] BSTR what);

[helpstring("execute a statement")]

HRESULT Exec2([in] BSTR what);

[helpstring("a method with [in] and [out] args in mixed order")]

HRESULT MixedInOut([in] int a, [out] int \*b, [in] int c, [out] int \*d);

[helpstring("a method that receives and returns SAFEARRAYs of pairs")]

HRESULT TestPairArray([in] SAFEARRAY(Pair) val, [out, retval] SAFEARRAY(Pair) \*result);

[helpstring("a method that receives and returns SAFEARRAYs of pairs")]

HRESULT TestPairArray2([in] SAFEARRAY(Pair) val, [out, retval] SAFEARRAY(Pair) \*result);

[helpstring("a method that receives and returns SAFEARRAYs of points")]

HRESULT TestPointArray([in] SAFEARRAY(Point) val, [out, retval] SAFEARRAY(Point) \*result);

[local, helpstring("...")]

LONG Test([in] int value, [out, retval] int \*result);

HRESULT MultiInOutArgs([in, out] int \*pa,

[in, out] int \*pb,

[in, out] int \*pc);

HRESULT MultiOutArgs2([in, out] int \*pa,

[in, out] int \*pb,

[out, retval] int \*pc);

};

[

uuid(6a237363-015c-4ded-937e-7e4d80b0a6cf),

version(1.0),

]

library MyTypeLib

{

importlib("stdole2.tlb");

[

uuid(08420058-ef6b-4884-9c78-14e73dfaf767),

]

coclass MyComServer {

[default] interface IMyInterface;

};

};