Description
Ask allows you to ask a question of the AIPS++ Project directly from Glish/Tk. You fill out the requested information and press the send button. The question is then sent to aips2bugs@aoc.nrao.edu and put into the AIPS++ bug reporting and tracking system. You will receive an acknowledgment once the question is in the system.

1.6.20 assay - Tool

Package	**utility**
Module	**misc**

Assay test and demo functions
include "assay.g"

Constructors

Functions

demos	Returns names of the standard demonstrations
tests	Returns names of the standard tests
try	Try each of a list of functions
trydemos	Tries the standard demonstrations
trytests	Tries the standard tests

Description
The assay class is used to track the results of running the test and demonstration functions. It is useful for verifying an installation. It can also assay any list of functions. The functions must not require arguments.
The functions to be tested should use the Glish fail mechanism for assay to be meaningful.
The standard tests and demonstrations are those that are expected to not fail in a working installation.

Example

```
- include "assay.g"
T
- assay().trytests()
```

assay.try - Function

Package	**utility**
Module	**misc**
Tool	**assay**

Try each of a list of functions

Synopsis
try(functionlist)

Description
For each function in the list, run the function (*without arguments*) and trap any fails. At the end, the failures and corresponding messages are logged, and the number of failures is returned.
Note that the argument is a list of function *names*, not the functions themselves.

Arguments

functionlist	The list of functions

Returns
Int - Number that failed

Example

```
- include "assay.g"
T
- assay().try('foo bar tabletest')
foo failed:  argument must be defined
bar failed:  argument must be defined
2
```

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assay.tests - Function

Package	**utility**
Module	**misc**
Tool	**assay**

Returns names of the standard tests

Synopsis
tests()

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assay.demos - Function

Package	**utility**
Module	**misc**
Tool	**assay**

Returns names of the standard demonstrations

Synopsis
demos()

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assay.trytests - Function

Package	**utility**
Module	**misc**
Tool	**assay**

Tries the standard tests

Synopsis
trytests(tests)

Arguments

tests	Names of tests Allowed:String Default: All tests

Returns
Int - Number that failed
