# Praat Scripting
# 04 Forms

You can create a form that gives the user the possibility to adjust the settings of your script without looking into the code. See the following example taken from the Praat User Manual :

```
1  form Sink it
2      sentence Name_of_the_ship Titanic
3      real Distance_to_the_iceberg_(m) 500.0
4      natural Number_of_people 1800
5      natural Number_of_boats 10
6  endform
```

Figure 1: Settings window for the script above



Within you script, you can access the chosen field names as variables. The first field name will be known as *name_of_the_ship$* because it contains a string. The first character has been changed into lower case to avoid error messages.

You can use the following field types in your forms

| | |
|---|---|
| **real** *variable initialValue* | for real numbers |
| **positive** *variable initialValue* | for positive real numbers: the form issues an error message if the number that you enter is negative or zero; further on in the script, the number may take on any value |
| **integer** *variable initialValue* | for whole numbers: the form reads the number as an integer; further on in the script, the number may take on any real value |
| **natural** *variable initialValue* | for positive whole numbers: the form issues an error message if the number that you enter is negative or zero; further on in the script, the number may take on any real value |
| **word** *variable initialValue* | for a string without spaces: the form only reads up to the first space ("oh yes" becomes "oh"); further on in the script, the string may contain spaces |
| **sentence** *variable initialValue* | for any short string |
| **text** *variable initialValue* | for any possibly long string (the variable name will not be shown in the form) |
| **boolean** *variable initialValue* | a check box will be shown; the value is 0 if off, 1 if on |
| **choice** *variable initialValue* | a radio box will be shown; the value is 1 or higher (this is followed by a series of buttons) |
| **button** *text* | a button in a radio box |
| **optionmenu** *variable initial value* | a selection box will be shown; the value is 1 or higher (this is followed by a series of options) |
| **option** *text* | selection possibilities |
| **comment** *text* | a line with any text |