

# Automatic data processing with Praat

Deadline: 05.12.2007

## 2 Exercise

1. Write a script that queries each *selected* object in the object list in Praat's Object Window. The output should be formatted like this:

```
ID: 12, Class: Matrix, Name: foo
ID: 13, Class: IntervalTier, Name: foo
ID: 14, Class: IntervalTier, Name: bar
ID: 15, Class: TextGrid, Name: foo
ID: 16, Class: Sound, Name: foo
ID: 18, Class: Sound, Name: foo
ID: 19, Class: Sound, Name: foo
```

2. Write a script that stores the current selection in an array. Then have the script do something that causes the selection to become empty (by e.g. creating any new object, then removing it again, or using `minus` on every selected object). Use the `pause` command to verify that the selection is empty. Then use the array to select all objects that were originally selected, so that except for the `pause`, the script doesn't appear to do anything at all!
  3. Load all `wav` files in `sounds.zip` into Praat. Write a script that calculates and outputs the mean duration of these Sounds.
- Extra. Change the last script so that it outputs the mean duration of all selected Sounds. Convert it to a procedure and save it in its own script file. Then write another script that `includes` the procedure script and calls it, but `asserts` that only Sound objects are selected.