Exercise: Write a BLAST parser

Even if BLAST allows some custom formatting of the output (the option for this is -outfmt), it is complicated, and not all the wanted information is accessible.

It is now your task to write a BLAST parser in *python* (remember?). Your script should take a default BLAST *output file* as input. The command to run your program could, for example, be:

```
blastParser.py yeast_vs_Paxillus.blastp
```

The output of your script should consist of tab-delimited columns (fields) like:

#query	target	e-value	identity(%)	score
YAL016C-B				
YAL016W	Paxin1_152130	5e-156	43	476

The first query doesn't have a hit, but it should still be reported. A suggestion is to add the empty string to the fields so that the number of fields will be the same for all lines. The first line has a hash mark, so it can easily be excluded when parsing the file.

When a query returns multiple hits, show them all (repeat the query number).

The file yeast_vs_Paxillus.blastp is available in Canvas -> Files

Submit two files:

1. Your script, named like this: EranElhaik_blastParser.py
2. The output file for the yeast_vs_Paxillus.blastp: EranElhaik_output.txt

Upload it to Canvas (BLAST Parser Exercise).

Good luck!