SWISH

This assignment is **individual**.
Deadline: The deadline is **Friday, December 23rd 2022, 16:59 sharp**.
Submission: Please, submit your solution in Canvas as a single text file.

1 SWISH

In this exercise we are going to solve a puzzle using Prolog. For that, you are going to use an on-line editor called SWISH [1]. The website also provides users with examples and tutorials; check, for instance, the Einstein's Riddle example.

For this exercise, let's suppose we have a group of 4 waiters (`w1`, `w2`, `w3` and `w4`). Each waiter has a different height (`160`, `170`, `180` and `190`), has a different expertise (`food`, `beverage`, `tables` and `cleaning`), a given workload (`full` and `part`) and works in a specific floor (`basement`, `ground` and `first`).

- F1 `w1` experiences in `food`.
- F2 `w3` is `160` tall.
- F3 `w2` works `full`-time.
- F4 One of the waiters works in the `first` floor but not `w2`.
- F5 The `cleaning` expert works in the `basement`.
- F6 Two of the waiters work `full`-time in the `ground` floor.
- F7 The `beverage` expert is the tallest.
- F8 Two of the waiters work `part`-time but neither of them are `w3`.
- F9 The waiter that is `170` tall works on the `first` floor.
- F10 At least one waiter works in the `basement` and at least one in the `first` floor.

Download the file **SWISH.txt** from Canvas and paste its contents in the on-line editor [1]. The skeleton of the problem is ready. Your task is to fill in the missing facts.

How to submit: Under the assignment SWISH, upload SWISH.txt. Make sure that your submitted file does not contain syntax errors.

References

[1] An online Prolog editor and solver, `https://swish.swi-prolog.org/`