

Lab Assignment 7 (Bonus)

CS 362 – Principles of Programming Languages II

Winter 2018

Puzzle

The famous actor Jean Johnson recently published his biography. In it, he brags about various adventures jobs he had all over the world as a young man. Quickly, a journalist discovers the truth. Jean actually worked much more common jobs in France during these years.

Determine in which year Jean claimed to had which job in which region of the world and what his actual job at this time was.

Years: 1973, 1976, 1979, 1982
Claimed: jobs foreign legionnaire, spy, bodyguard, treasure hunter
Regions: Middle East, East Africa, Soviet Union, South America
Actual: jobs mail man, hotel page, server, taxi driver

Hints

- (1) Jean claim to have been a foreign legionary in East Africa.
- (2) Three years after working as mail man, he worked as server.
- (3) He claims to have been in the Middle East in 1976.
- (4) During the time of his claim treasure hunt, Jean actually worked as hotel page. Three years later, he claims to have been in the Soviet Union.
- (5) In 1982, Jean worked as taxi driver.
- (6) During the time Jean claimed to work as spy, he did not work as server.

Assignment

Implement a Prolog program that solves the given puzzle similar to the way discussed in class. Your program should contain a predicate for each given hint. It should also contain a predicate `puzzle(X)` which outputs the solution. Your solution should be sorted by year.

This is a bonus assignment. You can get up to 10 points for it. In canvas, however, it is listed with 0 points. This is to ensure the correct calculation of your average.

Submission

Write your implementation in a single .pl-file and upload it to canvas.

This is an individual assignment. Therefore, a submission is required from each student.

Deadline: Sunday, March 11, 11:59 pm.