

# ICS1015 – Logic Programming exercise #1

---

This is the first of a series of exercises you will have to complete as part of your project (worth 50% of your final mark) for this study unit. These exercises will generally be focused on (though not limited to) the material covered in the previous lecture. They are not optional, so please ensure that you do them, as otherwise this will affect your final mark.

## Preparation

You will be using the Classtime online assessment tool for these exercises (instructions for this will follow). It is important you ensure that you are logged in to the university website prior to starting the exercise, and that, when Classtime asks you to log in using a Google ID, you use your @um.edu.mt ID so that you can be identified correctly. Logging in with your Google ID (ie, your @um.edu.mt ID) will also enable you to interrupt your session and log in later to complete it if this is necessary – although I would recommend that you complete the exercise all at once.

You should develop your answers using the prolog interpreter and only insert them into the Classtime answer fields when you are sure of them, as you will not be able to change your answers once you have submitted them.

## Exercise 1.1

For the first exercise, download parents.pl from the VLE and open it in your prolog interpreter. Then save it as relatives.pl and extend this file as required by the questions in this first exercise.

Now open [www.classtime.com](http://www.classtime.com) and use the code **75MRP** to access the first session. Attempt all questions.

Retain copies of your answers (in this case, these should be captured in relatives.pl) in case there should be any issue with the Classtime system, and I should need to see evidence of the work you have done.

## Exercise 1.2

For the second exercise, download cars.pl from the VLE and open it in your prolog interpreter.

Now open [www.classtime.com](http://www.classtime.com) and use the code **W4ZVR** to access the second session. Attempt all questions.

Keep separate notes of the queries you have made and the rules you have created in case there should be any issue with the Classtime system, and I should need to see evidence of the work you have done.

Please write to me at [peter.xuereb@um.edu.mt](mailto:peter.xuereb@um.edu.mt) should you have any questions.