

Explorations in Ruby:

Practical 3

(WEEK 3)

- 1) Define a programme that has three separate files, each with its own set of methods. In the first file there should be a fairly big method that makes use of, at least, two other methods each of which can be found in the other two files. REM to use **require_relative** to get access to the other files and experiment a bit with including and excluding the **require_relative** statements.
- 2) Define a class **FamilyMember** that has at least 5 properties (e.g., name, sex, status, age, children) and then create 5 instances of that class, each of which should be assigned to the following variables: fm1, fm2, fm3, fm4, fm5. Define two methods – **parent?** and **child?** that will test whether an instance of this class is a parent or a child and what type of parent or child (father, mother, son, daughter, dog). The method should make use of the properties of the objects in doing this test.
- 3) Create an array of these family members and search through it using **each**, to print out their names, and status (married, single, underage).
- 4) Create an array of these family members and search through it using **do**, to print out all of the information known about them (i.e., all their attributes).