Intermediate Scala

Practical Exercises

Lab 2a Implicits and Type Classes

1. Define a type to represent a date, consisting of day, month and year. Define a second type to represent a time as hours, minutes and seconds.

   Using regular expressions, develop implicit conversions from the String type to your date type, and to your time type.

2. For your "Unit" types from the previous exercises, use implicit conversions and extension methods as shown in the slides to allow you to represent instances of the types using a more convenient notation, for example

   3.metre (or even 3 metre)

   Verify that you can use these in constructing expressions using the values.