# Week 4 Exercises

This week we will look at JADE Behaviours and running JADE as a library from an external program. We will reuse the examples from the JADE distribution. In particular, we will look at the following examples:

## Behaviours

* SimpleAgent.java – uses the CyclicBehaviour and a generic Jade Behaviour
* TimeAgent.java – uses the TickerBehaviour and WakerBehaviour (for scheduling tasks)
* FSMAgent.java – uses the FSMBehaviour and OneShotBehaviour
* ComplexBehaviourAgent.java – uses the SequentialBehaviour and OneShotBehaviour

## Running JADE as a library

This set of java classes demonstrate how to run JADE as an embedded library from an external java program. It demonstrates how to create the main container, and an agent and how to control the agent methods via the Object-to-Agent (O2A) interface.

* O2AInterfaceExample.java
* CounterAgent.java
* CounterManager1.java
* CounterManager2.java