*counter.erl*

-module(counter).

%% API

-export([start/0, stop/1, add/2]).

%% accessible functions

%% usage : Pid = adder:start().

start() -> spawn(fun loop/0).

%% usage : adder:stop(Pid).

stop(Pid) -> Pid ! **stop**.

%% usage : 0 = adder:add(0, Pid).

add(D, Pid) ->

Pid ! {**add\_to\_counter**, D, self()},

receive

{**actual\_value**, N} ->

N

end.

%% internal functions

loop() -> loop(0).

loop(State) ->

receive

{**add\_to\_counter**, Value, From} ->

NewState = State + Value,

From ! {**actual\_value**, NewState},

loop(NewState);

**stop** -> **ok**

end.