**-module(helloworld).**

**-export([start/0,**

**account/1,bank/0,clerk/0]).**

**%% -- BASIC PROCESSING -------------------**

**n2s(N) -> lists:flatten( %% int2string**

**io\_lib:format("~p", [N])). %% HACK!**

**random(N) -> random:uniform(N) div 10.**

**%% -- ACTORS -----------------------------**

**account(Balance) ->**

**receive**

**{deposit,Amount} ->**

**account(Balance+Amount) ;**

**{printbalance} ->**

**io:fwrite(n2s(Balance) ++ "\n")**

**end.**

**bank() ->**

**receive**

**{transfer,Amount,From,To} ->**

**From ! {deposit,-Amount},**

**To ! {deposit,+Amount},**

**bank()**

**end.**