Figure 2.14 The basic environment simulator program. It gives each agent its percept, gets an action from each agent, and then updates the environment.

```
function RUN-EVAL-ENVIRONMENT(state, UPDATE-FN, agents,
termination, PERFORMANCE-FN) returns scores
local variables: scores, a vector the same size as agents, all 0
repeat
for each agent in agents do
PERCEPT[agent] 	— GET-PERCEPT(agent, state)
end
for each agent in agents do
ACTION[agent] 	— PROGRAM[agent](PERCEPT[agent])
end
state 	— UPDATE-FN(actions, agents, state)
scores 	— PERFORMANCE-FN(scores, agents, state)
until termination(state)
return scores
```

Figure 2.15 An environment simulator program that keeps track of the performance measure for each agent.

/\* change \*/