CASE PROGRAM – MUTEX

//file number 1

package myentitites

import case.lang.System

namespace EntitiesNameSpace {

String->Object->Main

#public class Program

[public Program(String [] args)

[EntityPool Pool = EntityPool.getEntityPool]

assert(Pool) //asserts that Pool exists and has a value

atom sizedata sizeOf(balance)

atom float balance;

atom private Object thisLock = new Object();

[public void Withdraw(float amount)

atom auto balance //balance vanishes permanently once out of scope

atom volatile SomeObject //can be changed by background processes

lock (thisLock)

{

if (amount > balance)

{ throw new Exception("Insufficient funds”}

balance = 20i

assert(20i) //if this test fails the program ceases execution

this.balance -= amount;

amount =this.balance

}

}

return

]

]

#end class

String->Object->Main->sealed

#public class ClassNumberTwo extends Program //inherits from class program

[public void hello()

{ Print “Hello” }

{ Print “Hello Twice”}

{ Print Withdraw(10f) } //inherited from the class progtram

]

[public void

#end class

String->Object->Main

#public class ClassNumberThree extends Program //cannot inherit from class //number two but can inherit from others

[public void helloagain()

{ Print “Hello”}  
 {Print “HelloTwice”}  
 {Print “HelloThrice”}

]