





```

model MovieRental

enum PriceCode {regular, family, newRelease}

class Customer
attributes
    name:String
operations
    addRental()
    getName()
    Statement()
    begin
        declare m:Movie;
        for ren in self.rentals do
            ren.getDaysRented();
            m := ren.getMovie();
            m.getPriceCode();
            m.getTitle();
        end
    end
end

class Rental
attributes
    daysRented:Integer
operations
    getDaysRented()
    begin
    end
    getMovie() : Movie
    begin
        result := self.movie
    end
end

class Movie
attributes
    title:String
    priceCode:Integer
operations
    getPriceCode()
    begin
    end
    setPriceCode()
    getTitle()
    begin
    end
end

association custRentals between
    Customer[1] role renter
    Rental[0..*] role rentals
end

association movRental between
    Rental[0..*] role movRentals
    Movie[1] role movie
end

```

```
!create c1:Customer
!create m1:Movie
!create r1:Rental
!set m1.priceCode := PriceCode::regular
!set m1.title := 'Movie1'
!set r1.daysRented := 5
!insert (c1,r1) into custRentals
!insert (r1,m1) into movRental

!create m2:Movie
!create r2:Rental
!set m2.priceCode := PriceCode::newRelease
!set m2.title := 'Movie2'
!set r2.daysRented := 3
!insert (c1,r2) into custRentals
!insert (r2,m2) into movRental

!c1.Statement()
```