

```
<in model root namespace>
```

```
<< ... >>
```

```
package Cars {  
  @interface (annotation is not generated to ALF)  
  public abstract class IHasColor {  
    public abstract getColor() : String ;  
  }  
  
  public abstract class Vehicle {  
    public drive() {  
      this.distance = this.distance + 1;  
    }  
  
    protected getSpeed() : Integer {  
      return 5;  
    }  
  
    protected defaultStartEngine () {  
      WriteLine("Vehicle engine started");  
    }  
  
    public abstract startEngine();  
    public distance : Integer = 0;  
  }  
  
  public class Car specializes Vehicle, IHasColor {  
    public getSpeed() : Integer {  
      return 10;  
    }  
  
    public startEngine() {  
      WriteLine("Car engine started");  
      WriteLine("Initial speed: " + IntegerFunctions::ToString(this.getSpeed()));  
  
      super.defaultStartEngine ();  
    }  
  
    public getColor() : String {  
      return this.color;  
    }  
  
    public setColor(in color : String ) {  
      this.color = color;  
    }  
  
    private color : String = "Black";  
  }  
}
```