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```
/* This is an example of RSL specification.  
   It is statically correct (type checked with rsltc).  
   It has been prepared to be printed out with pprsl tool.  
   Special formatting features of pprsl are used in it.  
   pprsl is  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  based and this makes it very flexible. */
```

```
scheme Example = class  
  type  
    Database,  
    Person  
  value  
    empty : Database ,  
    register : Person  $\times$  Database  $\rightarrow$  Database ,  
    check : Person  $\times$  Database  $\rightarrow$  Bool  
  axiom  
     $\forall p : \text{Person} \cdot \text{check}(p, \text{empty}) \equiv \text{false}$  ,  
     $\forall p : \text{Person} , db : \text{Database} \cdot \text{check}(p, \text{register}(p, db)) \equiv \text{true}$   
  ...  
end
```