

```
import java.math.BigDecimal;

//Math model: salary is a Real
//Constraint: salary >= 0
//          ceil(salary*100) = floor(salary*100)
// ie salary has at most 2 decimal places
//Initially:
// Salaried() ensures salary = 0
public interface Salaried {

    // Requires: d >= 0
    //          ceil(d*100) = floor(d*100)
    // Alters: salary
    // Ensures: salary = d
    void setSalary(BigDecimal d);

    // Requires: raise > 0
    // Alters: salary
    // Ensures: salary = round-to-hundredths(#salary * (1+raise))
    void giveRaise(float raise);

    // Returns: salary
    BigDecimal getSalary();
}
```