

HW3 Discussion: Jif

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A few quick notes

- You don't have to declare Alice, Bob, or Examiner. These are labels, and as long as you precompile them you can use them directly.
 - You don't have to edit the .jif files either
- You can make changes to ExamRoom.jif
 - It's a framework, you don't have to keep it
 - As long as you do something reasonable

More notes

- `caller_pc`: describes the current environment
 - Based on the method begin label
 - Affected by try/catch, prior returns
- When debugging, work up from the bottom of the bug list

Declassify example

- `int {Alice:} y;`
- `int {Bob:} x = y;`

- Need to declassify `y`
- Requires authority of Alice
- Also some other stuff
- Let's walk through

myDeclassify

```
public class myDeclassify authority(Alice){
    int{Alice:} y;

    public void declass{Bob:}() where authority(Alice) {
        int{Bob:} x = declassify(y, {Bob:});
    }
}
```