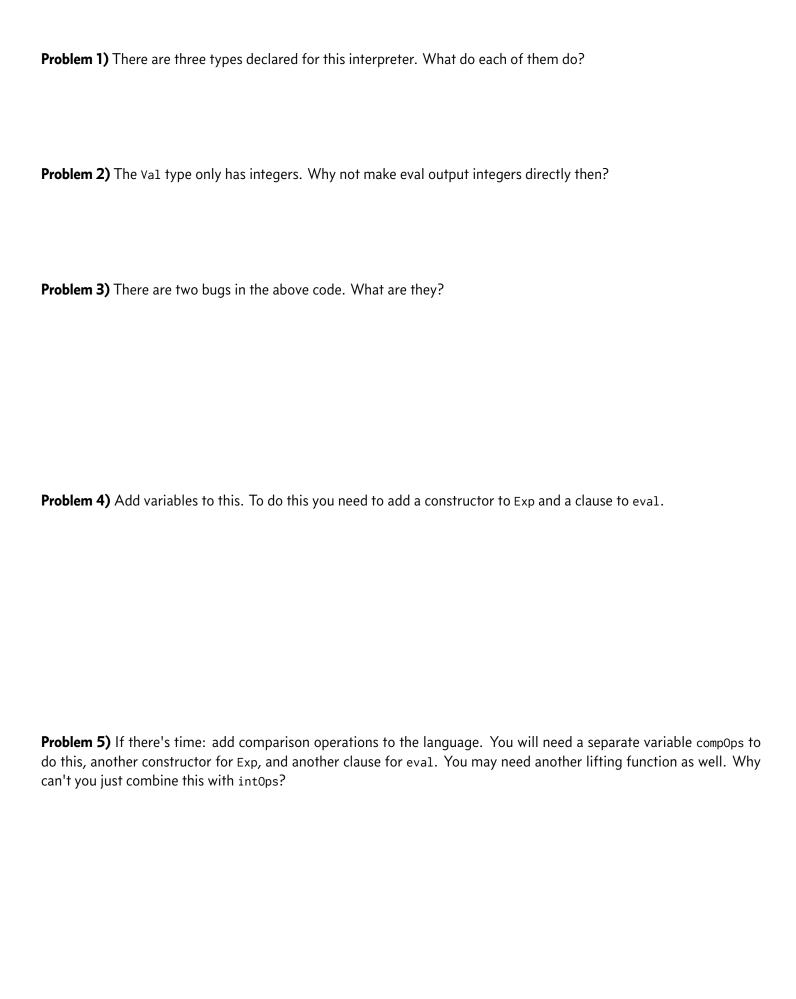
## CS 421 --- Interpreter Activity 1

Manager	Keeps team on track	
Recorder	Records decisions	
Reporter	Reports to class	
Reflector	Assesses team performance	

## Code

Here is part of the code for the i3.hs interpreter.

```
1 -- The Types
3 data Val = IntVal Integer
     deriving (Show, Eq)
6 data Exp = IntExp Integer
           | IntOpExp String Exp Exp
     deriving (Show, Eq)
10 type Env = [(String,Exp)]
<sub>12</sub> -- Evaluator
14 intOps = [ ("+",(+))
           , ("-",(-))
15
           , ("*",(*))
16
           , ("/",div)]
17
19 liftIntOp f (IntVal i1) (IntVal i2) = IntVal (f i1 i2)
20 liftIntOp f _
                                        = 0
22 eval :: Exp -> Env -> Val
23 eval (IntExp i) _ = IntVal i
25 eval (IntOpExp op e1 e2) env =
    let v1 = eval e1 env
        v2 = eval e2 env
27
        Just f = lookup op intOps
   in liftIntOp f e1 e2
```



## Interpreter Activity 1--- Reflector's Report

Manager	Keeps team on track	
Recorder	Records decisions	
Reporter	Reports to Class	
Reflector	Assesses team performance	

1.	What was a strength of	of your team	's performance	for this	activity?
	· · · · · · · · · · · · · · · · · · ·	1			· · · · · · · · · · · · · · · · · · ·

2. What could you do next time to increase your team's performance?

3. What insights did you have about the activity or your team's interaction today?