

Compilers

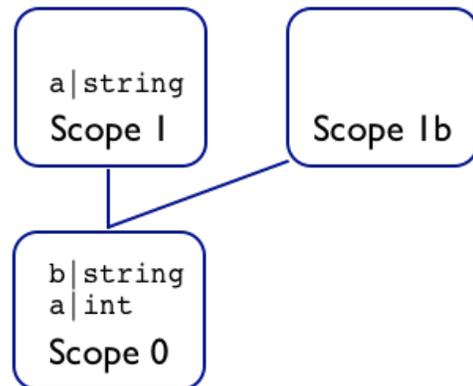
CMPT 432

– Lab 6

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| Goals | Symbol Tables and you (and your compiler): a recipe for health and (compiler) happiness. |
| Notes | You're going to need a symbol table in order to check scope and type later on. Let's start now. |
| Resources | <i>Crafting a Compiler</i> <ul style="list-style-type: none">• Read chapters 8.1-8.3• Do exercise 8.1 (binary search trees and hash tables) <i>Dragon</i> <ul style="list-style-type: none">• Read chapters 2.7 and 6.3.1 |
| Submitting | Commit a PDF of your work to your GitHub repository and I'll take a look at it. |

Source Code

```
{  
  int a  
  a = 1  
  {  
    string a  
    a = "a"  
    print(a)  
  }  
  string b  
  b = "b"  
  if (a == 1) {  
    print(b)  
  }  
}
```



Symbol Table