

Compilers

CMPT 432

– Lab 5

Goals	Building Syntax Trees both Concrete and Abstract
Notes	Trees... one of the most common and useful data structures in all of computer science. They're so useful that we'll build two of them: a Concrete Syntax Tree and an Abstract Syntax Tree.
Resources	<i>Crafting a Compiler</i> <ul style="list-style-type: none">• Read chapters 2.7, 7.1, 7.3-7, 8.1-3, and 9.1• Do exercise 9.2 (show the AST for a "sign test" operation. (Skip the other part.)) <i>Dragon</i> <ul style="list-style-type: none">• Read chapters 2.5.1, 2.8.2, 5.3.1 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)
  }
}
```

