

```
// Compilers Project Two
// Bob Nisco
// Results + Test Case Samples
```

```
// NOTE: Any of these test samples can be ran again in 2 clicks
//       from my compiler as there is a listing of test programs
//       on the page that you can click to run.
```

```
//-----
// Test (Fail) Program #1
//-----
```

Source  
=====

```
{
    int a
    a = "bob"
} $
```

Output Snippet  
=====

Semantic Analysis Error: Expected number but got string instead

```
//-----
// Test (Fail) Program #6
//-----
```

Source  
=====

```
{
    int a
    a = 1
    int a
    a = 2
} $
```

Output Snippet  
=====

Semantic Analysis Error: Redeclaring Identifier: a. It has already been declared in this scope

```
//-----  
// Test (Fail) Program #7  
//-----
```

Source  
=====

```
{  
    print(a)  
} $
```

Output Snippet  
=====

Semantic Analysis Error: Undeclared Identifier: a, was not found in symbol table

```
//-----  
// Test () Program #  
//-----
```

Source  
=====

Output Snippet  
=====

```
//-----  
// Test (Pass) Program #1  
//-----
```

Source  
=====

```
{  
    while false {  
        print("a")  
    }
```

```

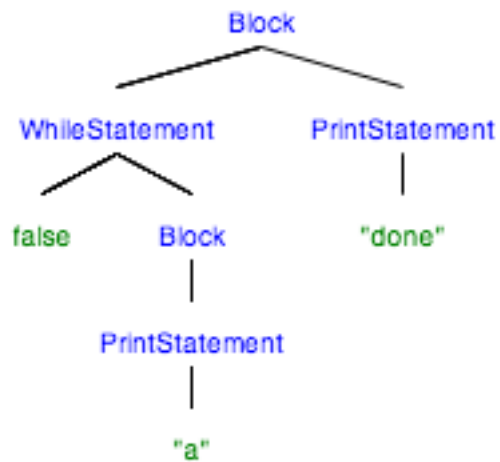
    }

    print("done")
} $

```

Output Snippet

=====



```

//-----
// Test (Pass) Program #2
//-----

```

Source

=====

```

{
    int a
    a = 1
    {
        int a
        a = 2
        print(a)
    }

    string b
    b = "alan"

    if(a == 1) {

```

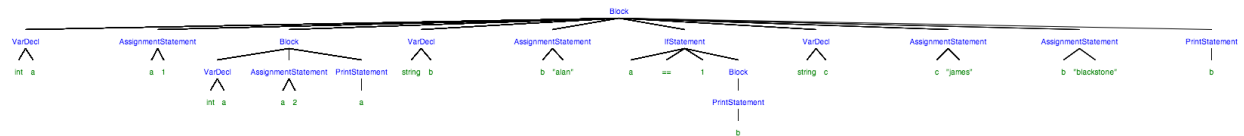
```

        print(b)
    }

    string c
    c = "james"
    b = "blackstone"
    print(b)
} $

```

Output Snippet  
 =====



```

// These ASTs are too big to really put on a page
// Please see the generated ones on my compiler

```