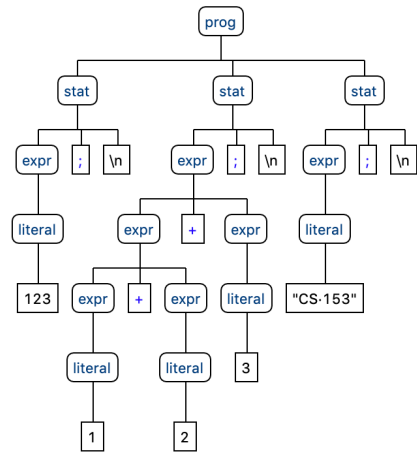


expressions with numeric constants and scalar variables

Expr::prog

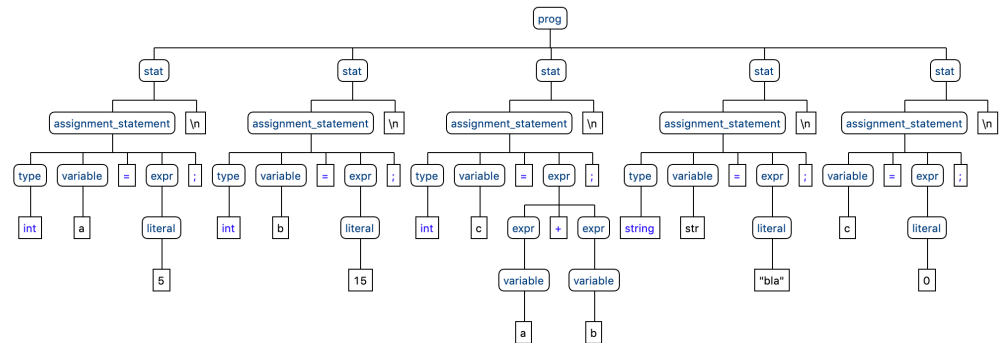
```
123;  
1 + 2 + 3;  
"CS 153";
```



Assignment statements

Expr::prog

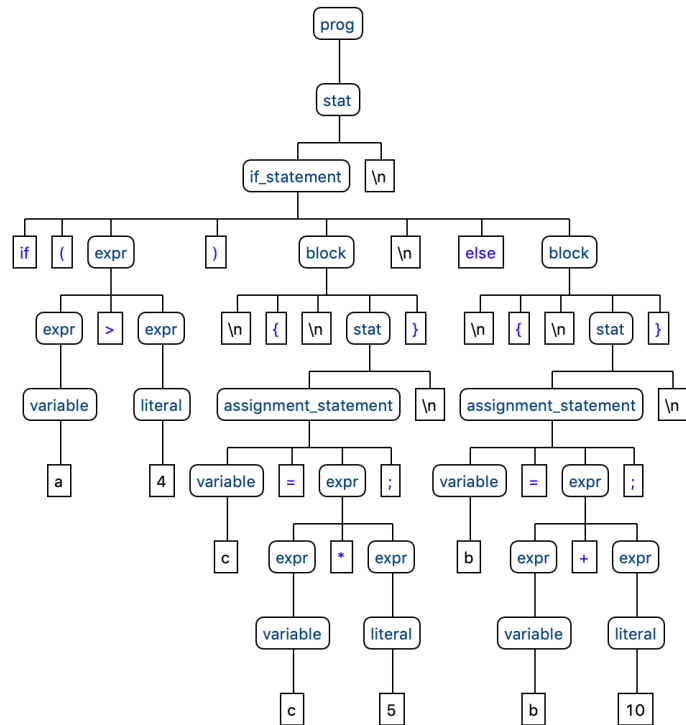
```
int a = 5;  
int b = 15;  
int c = a + b;  
string str = "bla";  
c = 0;
```



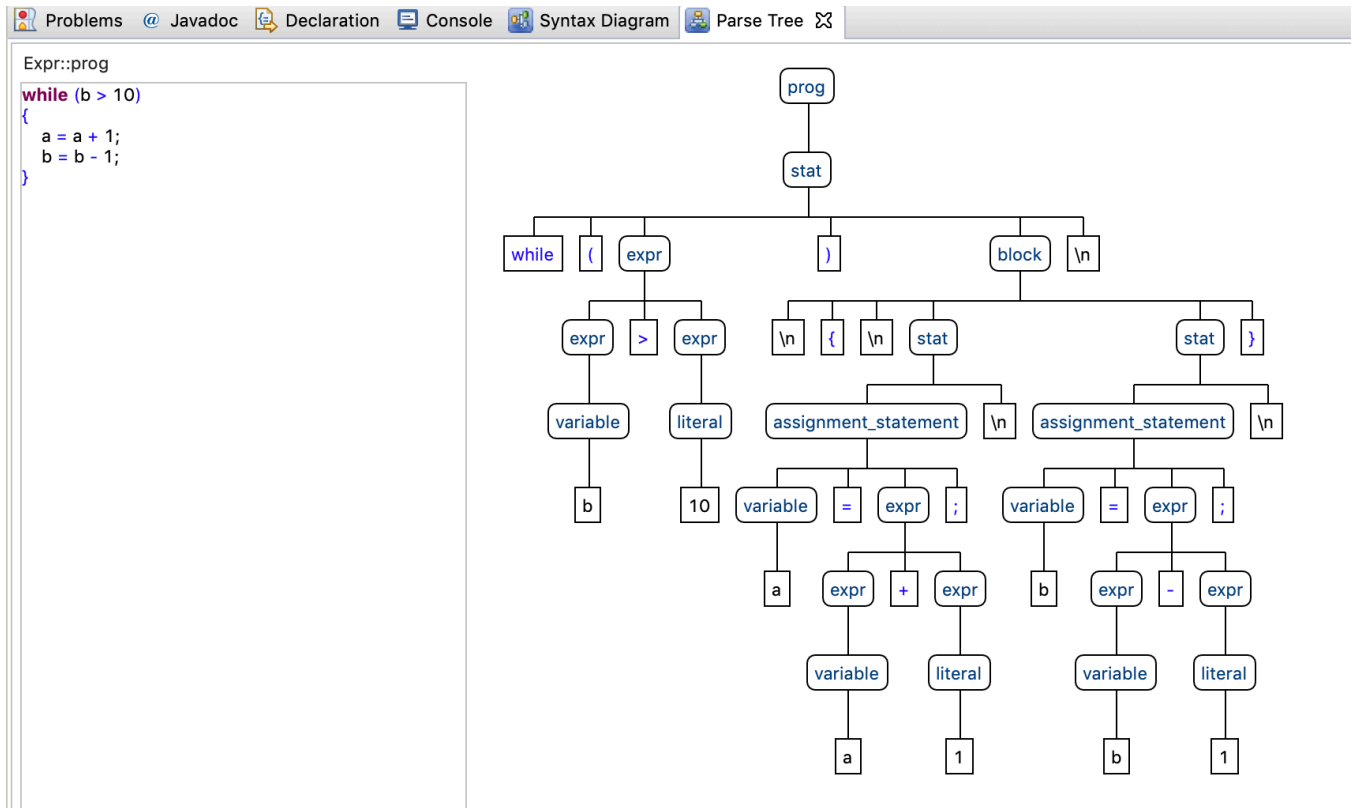
Conditional statements (at least one)

Expr::prog

```
if (a > 4)
{
  c = c * 5;
}
else
{
  b = b + 10;
}
```



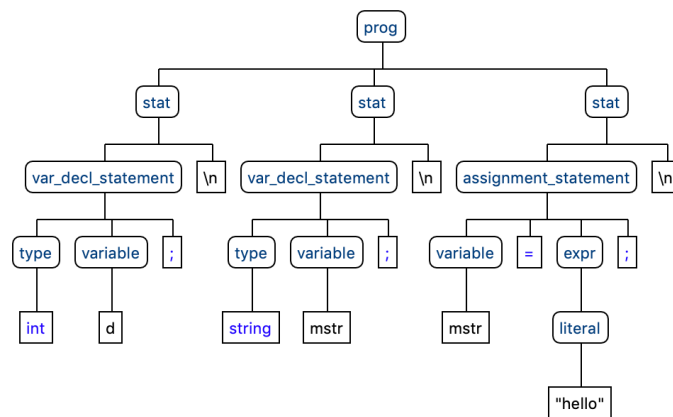
Loop statements



Variable declarations

Expr::prog

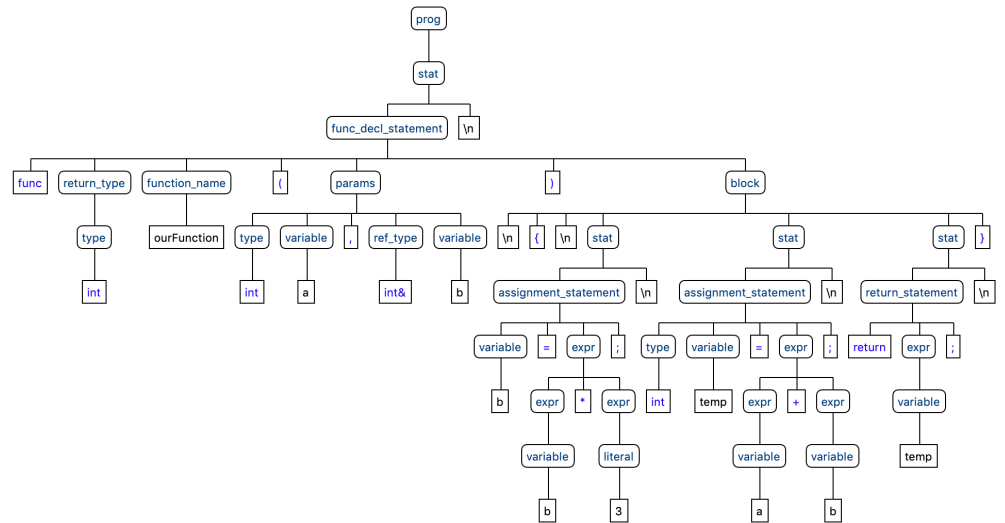
```
int d;  
string mstr;  
mstr = "hello";
```



Procedure and function declarations with value or reference parameters

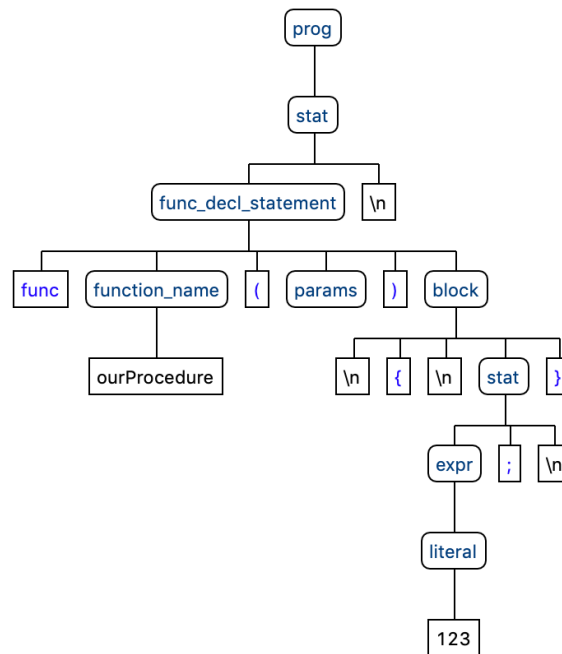
Expr::prog

```
func int ourFunction(int a, int& b)
{
    b = b * 3;
    int temp = a + b;
    return temp;
}
```



Expr::prog

```
func ourProcedure()
{
    123;
}
```



Procedure and function calls

Expr::prog

```
int e = ourFunction(1, b);  
ourProcedure();
```

