







Fork Language Test Program Documentation
program code with AST diagrams

Document Format:

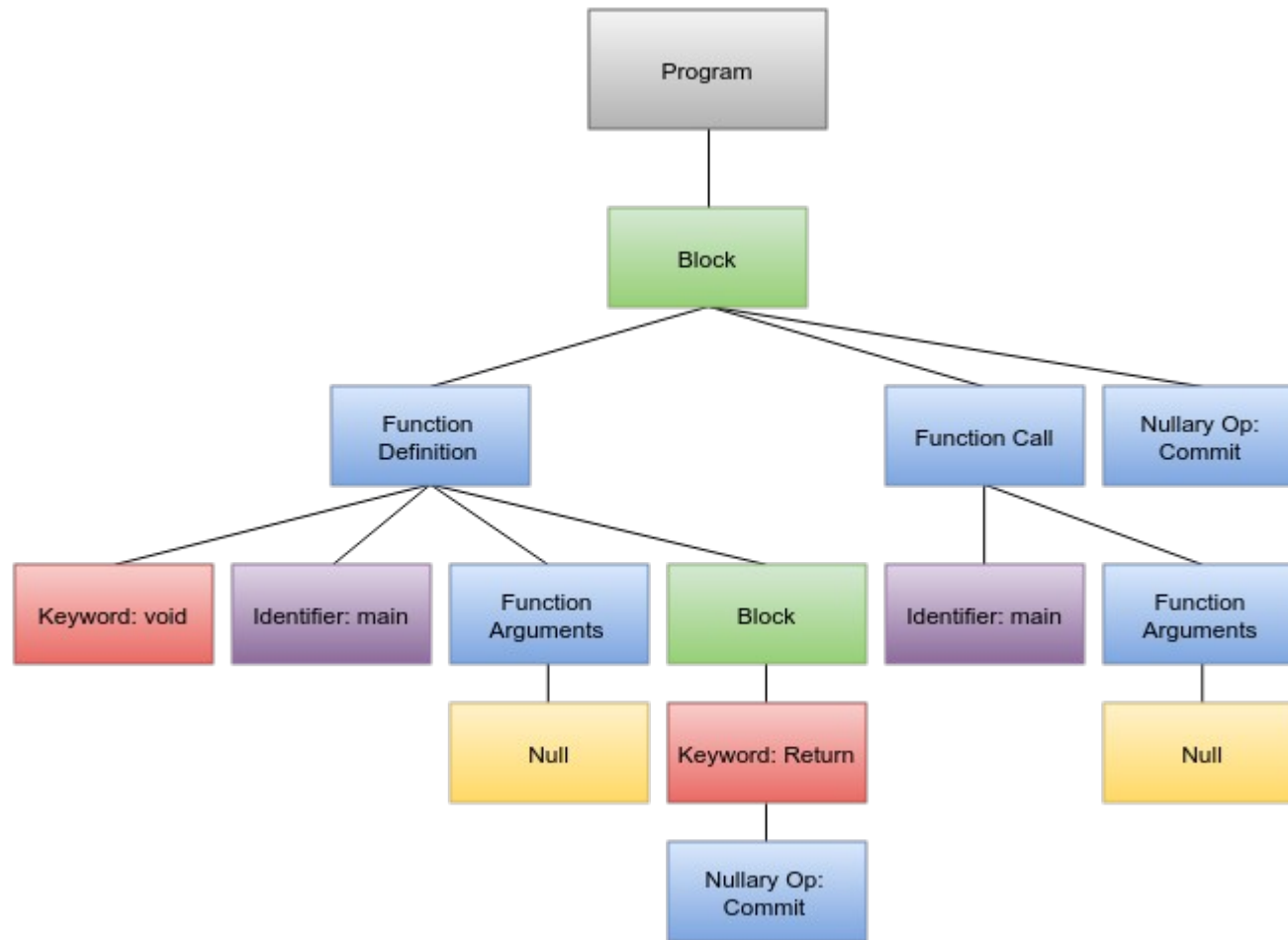
Test programs are shown below inside a box with the program name on the top of the box. On the next page is an AST written by the fork parser after reading the program. A key is below:

	Keyword
	Operators
	Identifiers
	Literals
	Blocks
	Program

empty_main.fk

```
//This is a comment
```

```
void main() {  
    //comment  
    return;  
    //comment  
}  
main();
```

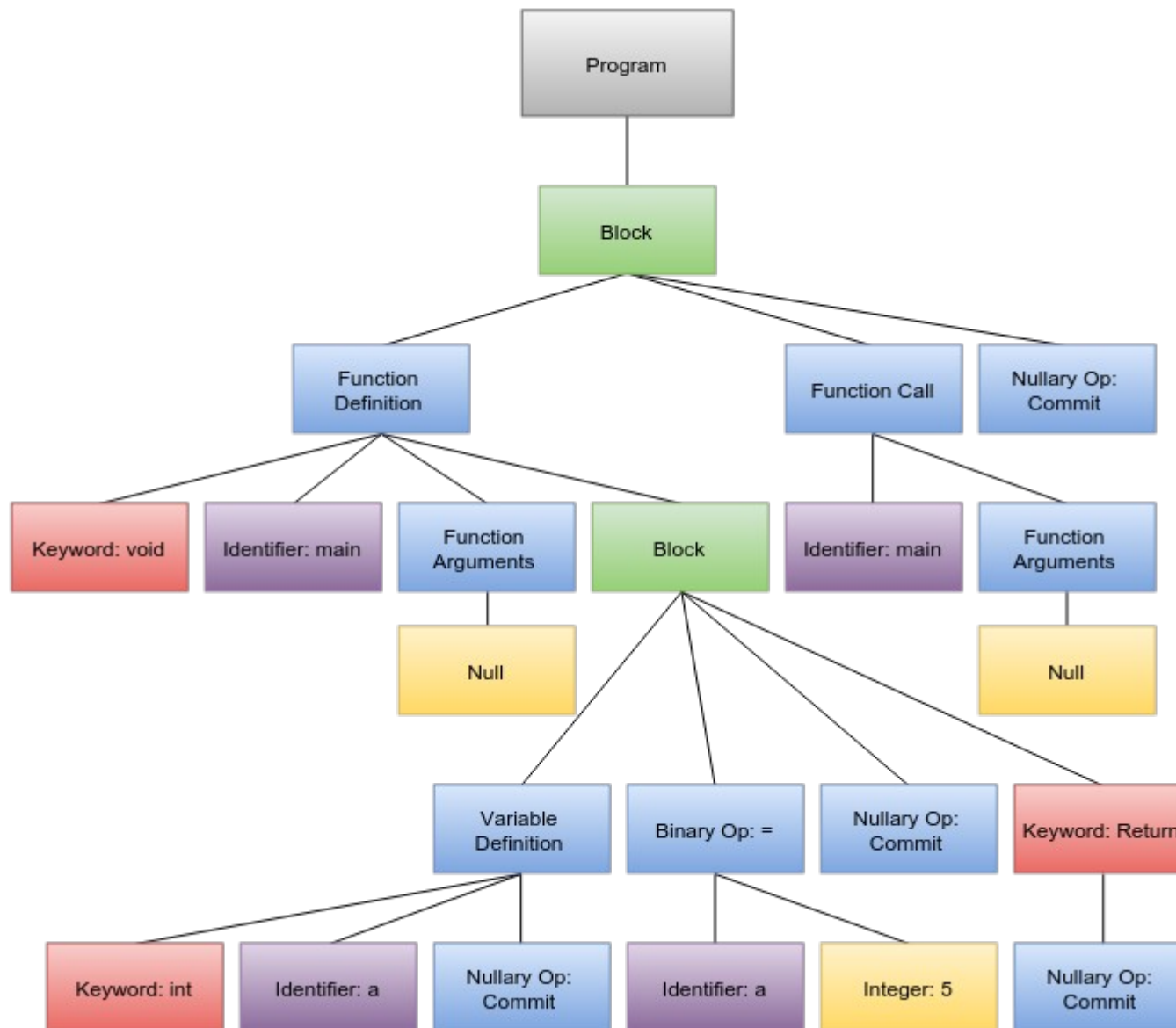


assignment.fk

```
//This is an assignment
```

```
void main() {  
    int a;  
    a = 5;  
    return;  
}
```

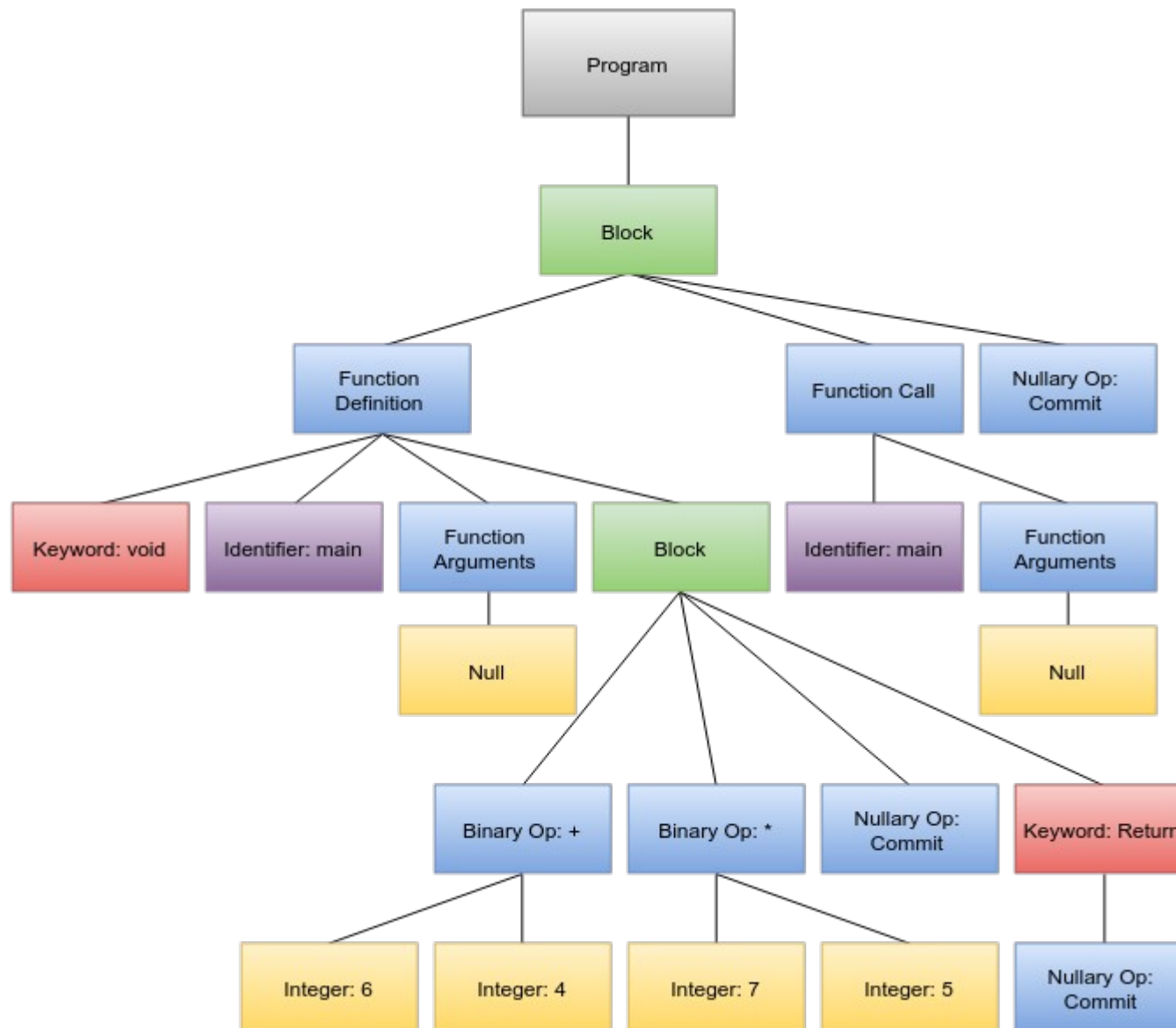
```
main();
```



commit.fk

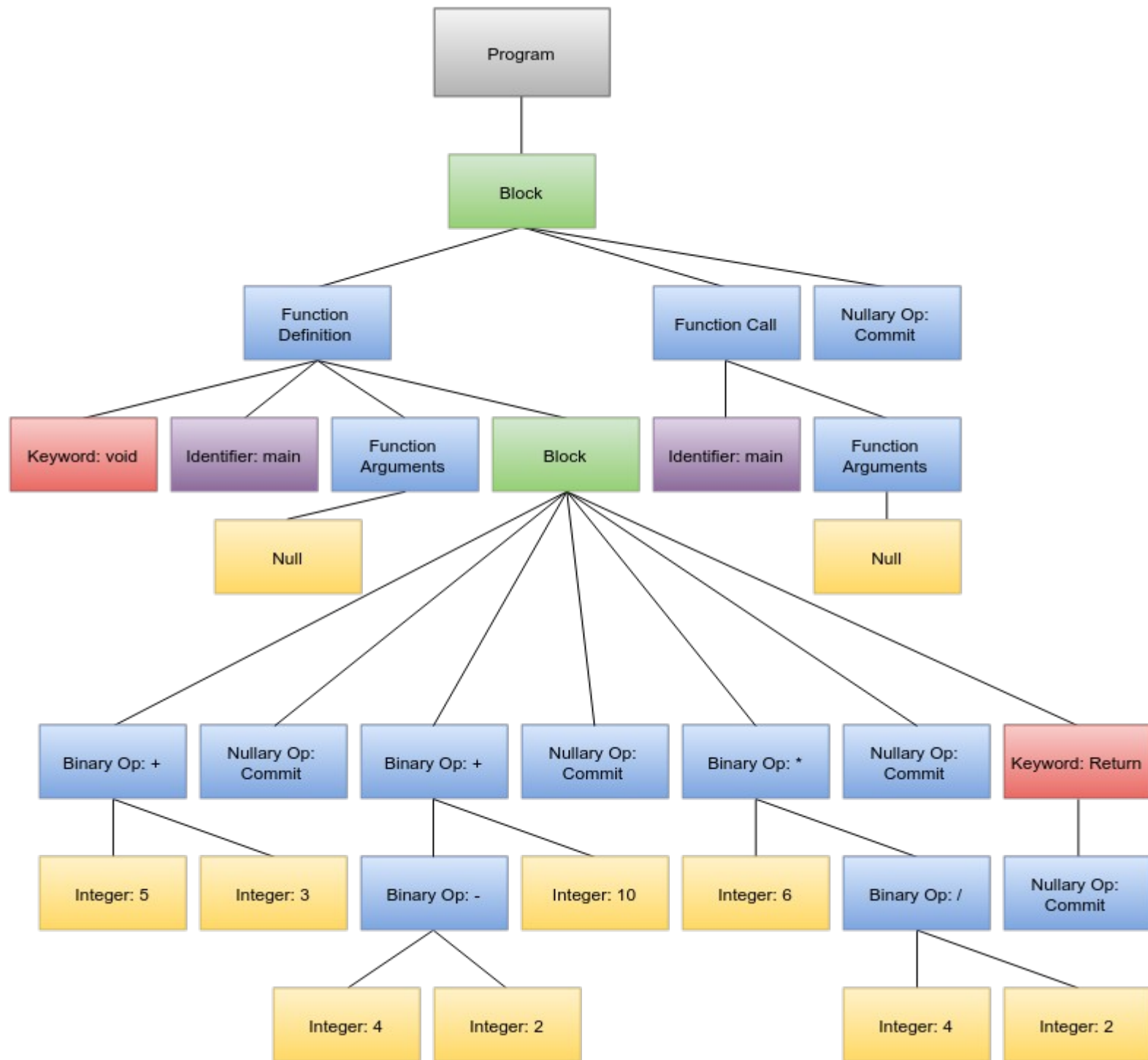
```
void main() {  
    6 + 4  
    7 * 5;  
    return;  
}
```

```
main();
```



computation.fk

```
void main() {  
    5 + 3;  
    4 - 2 + 10;  
    6 * (4 / 2);  
    return;  
}  
main();
```

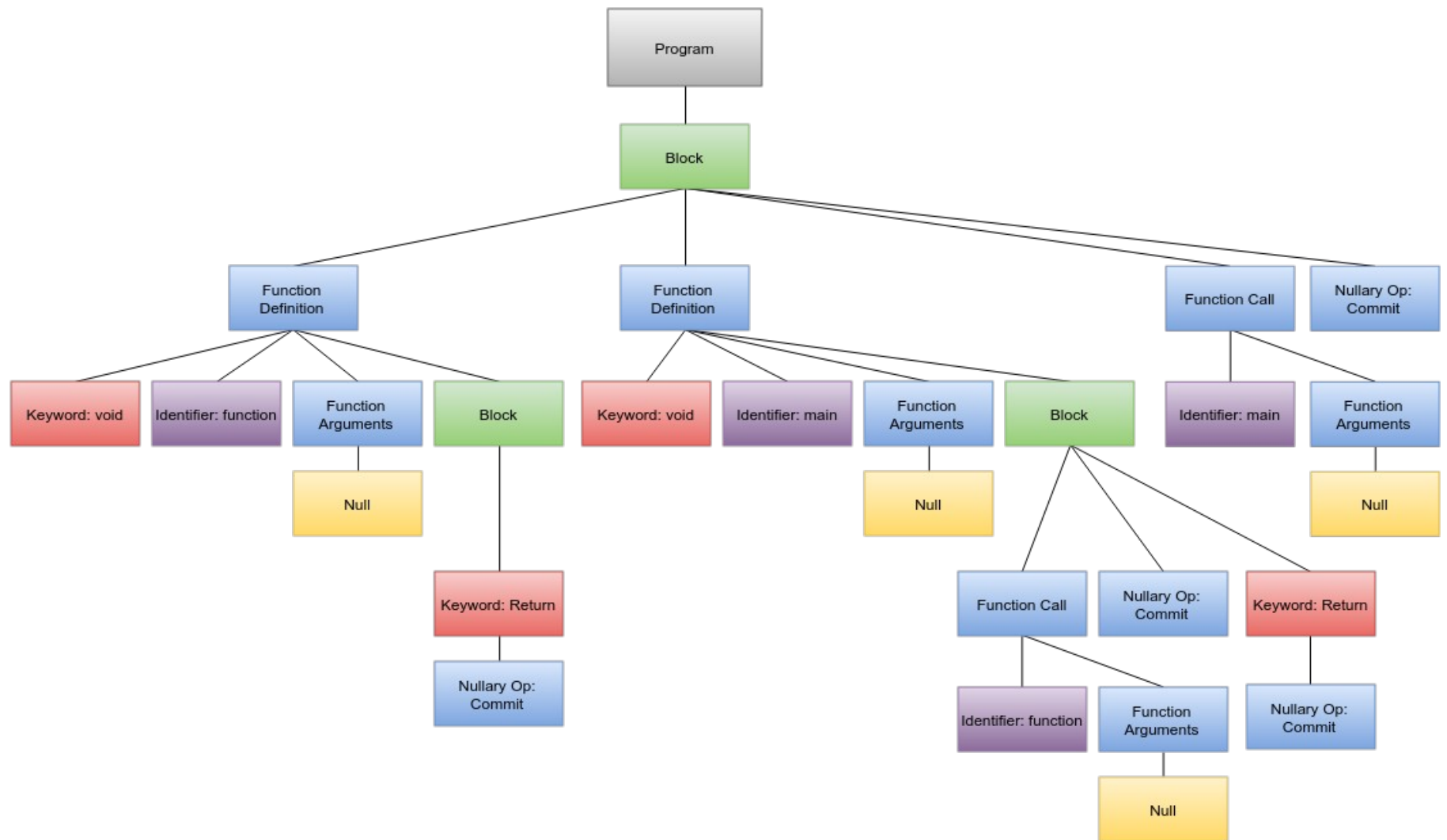


function1.fk

```
void function() {  
    return;  
}
```

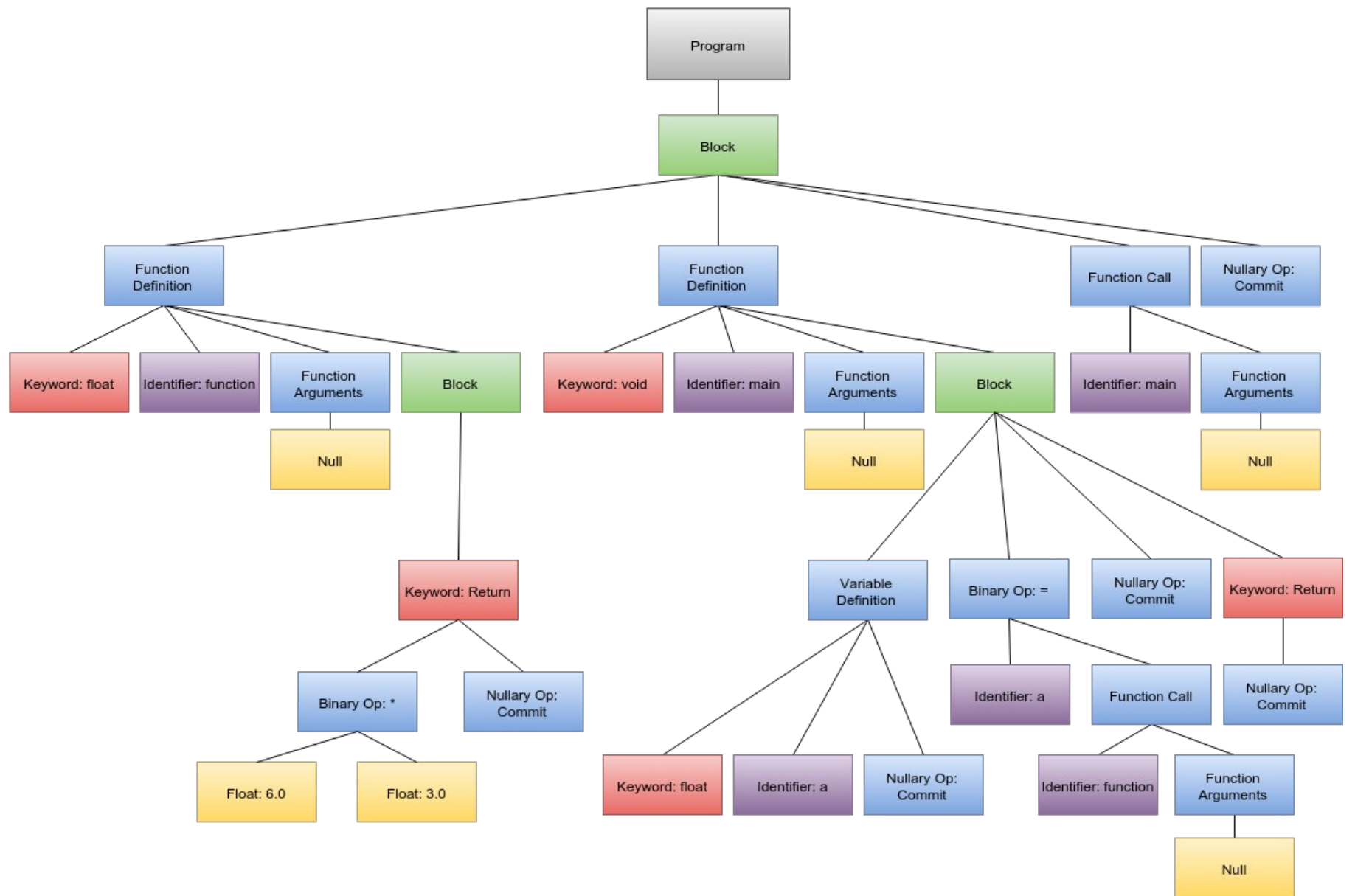
```
void main() {  
    function();  
    return;  
}
```

```
main();
```



function2.fk

```
float function() {  
    return 6.0 * 3.0;  
}  
void main() {  
    float a;  
    a = function();  
    return;  
}  
main();
```



function3.fk

```
int function(int a) {  
    a = 17;  
    return a;  
}  
void main() {  
    int b;  
    b = 5;  
    b = 4 + function(b);  
    return;  
}  
main();
```

