

1.1 Errors in Java

Lexical

Improper naming techniques

```
int _h = 0;
```

Syntax

Missing semicolon to end statement

```
int a = 0
```

Static Semantic

Trying to return from a void method

```
Void Add( int a, int b){  
  Int c = a + b;  
  Return c;  
}
```

Dynamic Semantic

Trying to access an out of bounds location in an array

```
int[ ] array = new array[2];  
  
array[3] = 1;
```

Error that is a violation of the language

Using the same name for a global and local variable

```
Int apple = 2;
```

```
Void main(String args[ ])  
{
```

```
  For (int l = 0; l < 2; l++){
```

```
    Int apple = 1;  
    apple = apple + l;
```

```
  }
```

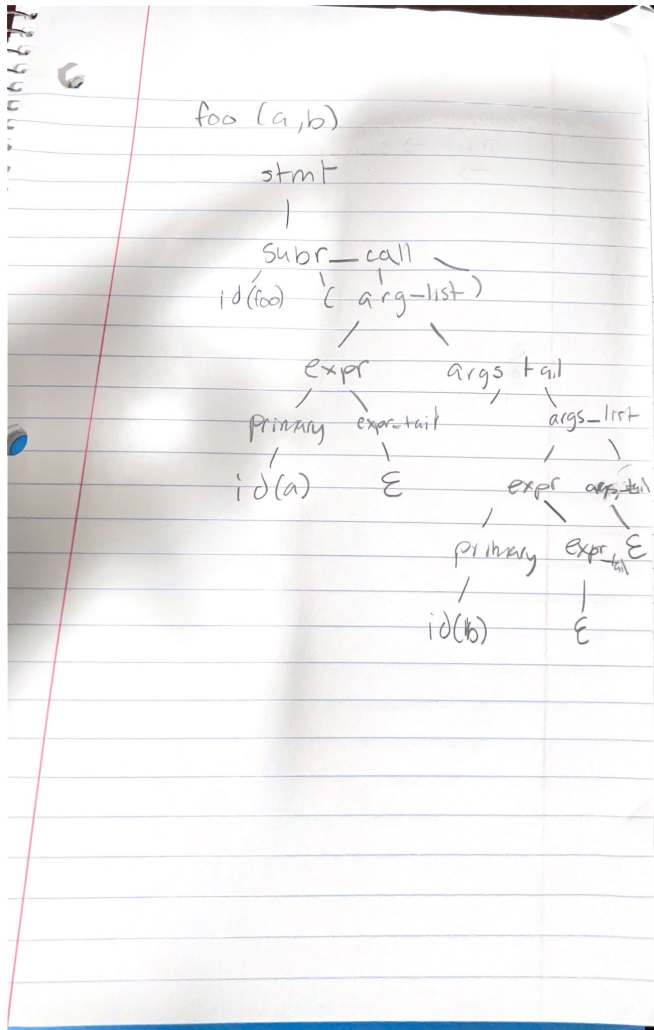
```
}
```

1.8

Make's dependency management can be accurate if all dependencies have been put in the makefile by the user. Occasionally unnecessary work is done if the timestamp is changed in the makefile. It will fail to recompile if a files dependencies are not included in the makefile, for instance file A is dependent on BOTH file b and file c but only file b is in the makefile.

2.1

2.3



2.17