



```
(statement) -> (assignment) "{"(SList)"}"
 \langle assign men^2 \rangle \rightarrow \langle d \rangle = \langle E \rangle
 (SList) > {(statement)}+
 No instruction emission in statement () and SList ()
 your assignment ()
   if ( t 15 < id>)
     saved id = t:
     get Token ();
     get Token ();
        E(); Would generate instructions for E
      1f (t 15 ";")
        emit "pop saved-id";
      z get Token ();
     zelse { same as before ....}
 Formal Description Of Dynamic Semantics
                                        -(meaning)
· Semantics OF Programming Languages:
 Static Semantics - meaning of data values/types
     · meaning of arrays, class objects, modules, pointers/references
 Dynamic Semantics - meaning of execution of statements
   · rigorous description of exact effect of execution of statements
   · assignment statements
   · control structures
    · conditionals <
```

· function calls

