```
1  function f() {
2    function g() {
3      class C {}
4    }
5  }
6
7  g(); f(); // will fail because 'g();' is not declared yet
8  f(); g(); // will work because 'g();' is declared when calling 'f()
       ;'
9  f(); new C(); // will fail because 'g();' needs to be called first
10 f(); g(); new C(); // will work because 'g();' is called and has
       declared 'f();'
```

Listing 1: sample code

[on background layer] [blue!30,opacity=.5] (A-1-1.west—-A-1-3.north) rectangle (A-3-3.south east);