

```

var x
function sub1() {
  var x;
  function sub2() {
    ...
  }
}
function sub3() {
  ...
}

```

Call sequence
 main → sub1
 sub1 → sub2
 sub2 → sub3

⇒ allows sub1
 in dynamic scoping

⇒ static sub3 global
 sub1 sub2 sub1

python → I can reference, but can't assign
 globals

Consider the following C program:

```

void fun(void) {
  int a, b, c; /* definition 1 */
  ...
  while (...) {
    int b, c, d; /*definition 2 */
    ... ← 1
    while (...) {
      int c, d, e; /* definition 3 */
      ... ← 2
    }
    ... ← 3
  }
  ... ← 4
}

```

a, b, c also @ 4
 a, b, c, d also @ 3
 c, d, e

For each of the four marked points in this function, list each visible variable, along with the number of the definition statement that defines it.