(1) -

"" C """"

"""""

"""""

""

i++ ++i "" i-- --i """"""

""""""i = i + 1

i++ ++i (i++) + (++i) i++ ++i i++ ++i C i++ i

(tmp = i, i = i + 1, tmp)

for (int i = 0; i < max; i++)

i++ ++i i++ tmp i++

for (int i = 0; i < max; (tmp = i, i = i + 1, tmp))

tmp "dead code elimination"

for (int i = 0; i < max; i = i + 1)

""

""""

CC++Java

if (y = 0) { ... }

y = 0;
if (y) { ... }

if (y == 0) { ... } == = if (y = 0) { ... } =

bug y ""y 0"" y bug

y=0

x = y = 0

if (y = 0) { ... }

x = y = 0 parser x = (y = 0) = ""x = (y = 0) x (y = 0) (y = 0) y (y = 0) y ""

y = 0 """""" void x = y = 0 if (y = 0) ""

x = y = 0 if (y = 0) ""

1. Google for if C Java

```
for (int i=0; i < n; i++)
   some_function(i);
```

```
 for (int i=0; i < n; i++) {
   some_function(i);
 }
```

   Google

2. Google

```
if (condition) {
   return x;
} else {
   return y;
}
```

```
if (condition) {
   return x;
}
 return y;
```

   else

3.

   ""

4. [Go]() ""