

"""TDD

1. """unit test"""integration test
2. """.....



bug.....

3. TDD """

SICP"[flow](#)"

4. """coverage mock reflection

C# interface reflection mock interface mock interface Visual Studio F12 interface mock reflection

5. """sqrt(4) 2"""ABC..... UI .....

UIABCUI

:P

6. bug bug bug bug bug bug bug

bug reproducer build bug bug bug """

7. mock mock mock mock mock mock mock

8. """GUI WEB

bug

9. build

10. """

11. JSON JSON printf JSON parse JSON PySonar2

12. """ ""

Google PySonar Google Steve Yegge """

## Google

[Google](#) PySonar Google Python Python

PySonar Python Python

Google

## Shape Security

Shape Security JavaScript obfuscatorcluster JS uglify uglify JS

JavaScript Chez Scheme passfortry-catchPass JavaScript pass pass 40 JavaScript JavaScript JS  
AngularJS Closure Compiler

100%

bug 100% JavaScript

;) "" bug open source AngularJS, Backbone open source [Dijkstra](#) ""

clusterShape Security Shape ShifterHA leader

code review git ""

## Coverity

Coverity Java Coverity C C++ Java Coverity

PL bug bug 20Coverity bug bug

bug Coverity Set C++

```
void traverse(Node node, Set<Node> &visited)
{
    if (visited.contains(node)) {
        return;
    } else {
        visited.add(node);
        process_node(node, visited); // traverse
    }
}
```

"" C++ "&"traversevisited visited node remove

"&" Coverity bug bug

"&" bug .....

C++ bug " bug....."

Coverity Java bug Coverity :P