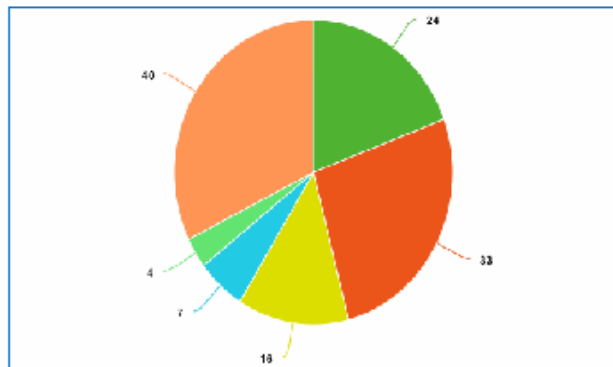




## Summary



Security Best practices Concurrency Performance  
Memory consumption Others

Tool 1

44

100

Tool 2



11

23








New Bugs: 55

Total Bugs: 123

[Start Fixing](#)

 MSAT Interface 



Project: Alpha

Name (Bug title)	Tool	Type	Fix Location	Assignee
FI_EMPTY	 	FI	12.4 EditList.java	Varma
EQ_CHECK		EQ	6.3 LoopHelper.java	Max
CO_SELF		CO	11.2 StringComparer.java	 Un-assigned
XSS_REQUEST		XSS	5.4 HttpSender.java	John
DMI_EMPTY		DM	3.3 DatabaseHelper.java	Elina

**Bug Description**  
  
**FI: Empty finalizer should be deleted (FI\_EMPTY)**  
  
Empty **finalize()** methods are useless, so they should be deleted.  
  

Fix Now

Know More

**Filters**  
  
**Tool**  
☒ toolLong   
☒ toolShort   
  
**Bugs**  
☐ My Bugs  
☒ All Bugs  
  
**Vulnerability Type**  
☐ SQL Injection  
☐ XSS



## Project: Alpha - Selected Bug Description

**FI: Empty finalizer should be deleted (FI\_EMPTY)**

Empty **finalize()** methods are useless, so they should be deleted.

A computer uses several types of hardware resources, and those are physically limited by nature. Therefore, we have to use those resources wisely. In Java, unlike in older programming languages like C++, memory is automatically managed by the garbage collector; however, there are other resources, usually "IO resources", that we need to manage by ourselves.

S. No.	Commit ID	Time Stamp	toolLong	toolShort	Revert
1	fcd121	17-07-2019 09:56	0 1	0 2	
2	efd008	17-07-2019 14:09	0 1	1 1	
3	vcs113	19-07-2019 10:23	2 0	2 1	

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## Filters

## Tool

☒ toolLong☒ toolShort

## Bugs

☐ My Bugs☒ All Bugs

## Vulnerability Type

☐ SQL Injection☐ XSS



Project: Alpha - (file\_path)/12.4 EditList.java

```
1 //*****
2 // Alpha Project
3 // author @gsvanna
4 //*****
5
6
7 public class EditList
8 {
9     ...
10    ...
11
12    public void popup()
13    {
14        size = size - 1;
15    }
16
17    finalize(); ☹️
18    ...
19    ...
20 }
```

Bug Description

**FI: Empty finalizer should be deleted (FI\_EMPTY)**Empty **finalize()** methods are useless, so they should be deleted.

Fixed

Know More

Filters

Tool



☒ toolLong☒ toolShort

Bugs






☐ My Bugs☒ All Bugs

Vulnerability Type

☐ SQL Injection☐ XSS


 MSAT Interface 


Project: Alpha

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EQ_CHECK		EQ	6.3 LoopHelper.java	Max
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Filters

Tool

☒ toolLong 

☒ toolShort 

Bugs

☐ My Bugs

☒ All Bugs

Vulnerability Type

☐ SQL Injection

☐ XSS

Bug Description

**EQ: Equals checks for incompatible operand (EQ\_CHECK)**

This equals method is checking to see if the argument is some incompatible type (i.e., a class that is neither a supertype nor subtype of the class that defines the equals method).

Fix Now

Know More