# Dead Code: Expression is Always False Development Mitigation SOP

An expression (or part of it) will always evaluate to false. The program could be rewritten in a simpler form.

## Defense Against Dead Code: Expression is Always False

The nearby code may be present for debugging purposes, or it may not have been maintained along with the rest of the program. The expression may also be indicative of a bug earlier in the method.

## Example

## public T filterByStatisticType(StatisticEnum statisticType) {

## if (statisticType == null) {

## return thisAsT;

## }

## return setBuilderComponentParam(statisticComponent, new

## StatisticParam(statisticType));

## }

## Explanation

The expression (or part of it) will always evaluate to false.

## Recommendation

In general, you should repair or remove unused code. It causes additional complexity and maintenance burden without contributing to the functionality of the program.

## References

1. Standards Mapping - Common Weakness Enumeration - (CWE), CWE ID 570
2. Standards Mapping - Security Technical Implementation Guide Version 3.1 - (STIG 3.1), APP3050 CAT II
3. Standards Mapping - Security Technical Implementation Guide Version 3.4 - (STIG 3.4), APP3050 CAT II