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# Kotlin static code analysis













Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your KOTLIN code

**All rules** 98    Vulnerability 10    Bug 17    Security Hotspot 15    Code Smell 56

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<b>Hard-coded credentials are security-sensitive</b>  Security Hotspot
<b>Cipher algorithms should be robust</b>  Vulnerability
<b>Encryption algorithms should be used with secure mode and padding scheme</b>  Vulnerability
<b>Server hostnames should be verified during SSL/TLS connections</b>  Vulnerability
<b>Server certificates should be verified during SSL/TLS connections</b>  Vulnerability
<b>Cryptographic keys should be robust</b>  Vulnerability
<b>Weak SSL/TLS protocols should not be used</b>  Vulnerability
<b>"SecureRandom" seeds should not be predictable</b>  Vulnerability
<b>Cipher Block Chaining IVs should be unpredictable</b>  Vulnerability
<b>Hashes should include an unpredictable salt</b>  Vulnerability
<b>Regular expressions should be syntactically valid</b>  Bug
<b>"runFinalizersOnExit" should not be called</b>  Bug

Unused local variables should be removed

Analyze your code

 Code Smell    Minor ?    unused

If a local variable is declared but not used, it is dead code and should be removed. Doing so will improve maintainability because developers will not wonder what the variable is used for.

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<div>"ScheduledThreadPoolExecutor" should not have 0 core threads</div> <div> Bug</div>
<div>Jump statements should not occur in "finally" blocks</div> <div> Bug</div>
<div>Using clear-text protocols is security-sensitive</div> <div> Security Hotspot</div>
<div>Accessing Android external storage is security-sensitive</div> <div> Security Hotspot</div>
<div>Receiving intents is security-sensitive</div> <div> Security Hotspot</div>
<div>Broadcasting intents is security-sensitive</div> <div> Security Hotspot</div>
<div>Using weak hashing algorithms is security-sensitive</div> <div> Security Hotspot</div>
<div>Using pseudorandom number generators (PRNGs) is security-sensitive</div> <div> Security Hotspot</div>
<div>Empty lines should not be tested with regex MULTILINE flag</div> <div> Code Smell</div>
<div>Cognitive Complexity of functions should not be too high</div> <div> Code Smell</div>