

## PMD Results

The following document contains the results of [PMD](#) 6.21.0.

### Violations By Priority

#### Priority 1

##### labcodeinspection/Email.java

Rule	Violation	Line
<a href="#">FieldNamingConventions</a>	The field name 'm_firstName' doesn't match '[a-z][a-zA-Z0-9]*'	5
<a href="#">FieldNamingConventions</a>	The field name 'm_lastName' doesn't match '[a-z][a-zA-Z0-9]*'	6

##### labcodeinspection/EmailApp.java

Rule	Violation	Line
<a href="#">UseUtilityClass</a>	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	5– 26

#### Priority 2

##### labcodeinspection/Email.java

Rule	Violation	Line
<a href="#">BeanMembersShouldSerialize</a>	Found non-transient, non-static member. Please mark as transient or provide accessors.	5
<a href="#">BeanMembersShouldSerialize</a>	Found non-transient, non-static member. Please mark as transient or provide accessors.	6
<a href="#">BeanMembersShouldSerialize</a>	Found non-transient, non-static member. Please mark as transient or provide accessors.	7
<a href="#">BeanMembersShouldSerialize</a>	Found non-transient, non-static member. Please mark as transient or provide accessors.	8
<a href="#">BeanMembersShouldSerialize</a>	Found non-transient, non-static member. Please mark as transient or provide accessors.	9
<a href="#">BeanMembersShouldSerialize</a>	Found non-transient, non-static member. Please mark as transient or provide accessors.	10

## Priority 3

## labcodeinspection/Email.java

Rule	Violation	Line
ImmutableField	Private field 'm_firstName' could be made final; it is only initialized in the declaration or constructor.	5
ImmutableField	Private field 'm_lastName' could be made final; it is only initialized in the declaration or constructor.	6
RedundantFieldInitializer	Avoid using redundant field initializer for 'password'	7
ImmutableField	Private field 'defaultpasswordLength' could be made final; it is only initialized in the declaration or constructor.	9
LongVariable	Avoid excessively long variable names like defaultpasswordLength	9
MethodArgumentCouldBeFinal	Parameter 'firstName' is not assigned and could be declared final	12
MethodArgumentCouldBeFinal	Parameter 'lastName' is not assigned and could be declared final	12
CommentRequired	Public method and constructor comments are required	12– 15
CommentRequired	Public method and constructor comments are required	17– 20
CommentRequired	Public method and constructor comments are required	22– 34
MethodArgumentCouldBeFinal	Parameter 'depChoice' is not assigned and could be declared final	22
SwitchStmtsShouldHaveDefault	Switch statements should have a default label	23– 33
MethodArgumentCouldBeFinal	Parameter 'length' is not assigned and could be declared final	36
LocalVariableCouldBeFinal	Local variable 'set' could be declared final	37
LocalVariableCouldBeFinal	Local variable 'rand' could be declared final	40
CommentRequired	Public method and constructor comments are required	46– 50
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	48
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	48

## labcodeinspection/EmailApp.java

Rule	Violation	Line
CommentRequired	Public method and constructor comments are required	7–25
MethodArgumentCouldBeFinal	Parameter 'args' is not assigned and could be declared final	7
ShortVariable	Avoid variables with short names like sc	8
LocalVariableCouldBeFinal	Local variable 'sc' could be declared final	8
LocalVariableCouldBeFinal	Local variable 'firstName' could be declared final	11
LocalVariableCouldBeFinal	Local variable 'lastName' could be declared final	14
LocalVariableCouldBeFinal	Local variable 'depChoice' could be declared final	18
LocalVariableCouldBeFinal	Local variable 'email' could be declared final	21

# Files

## labcodeinspection/Email.java

Rule	Violation	Priority	Line
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	2	5
FieldNamingConventions	The field name 'm_firstName' doesn't match '[a-z][a-zA-Z0-9]*'	1	5
ImmutableField	Private field 'm_firstName' could be made final; it is only initialized in the declaration or constructor.	3	5
FieldNamingConventions	The field name 'm_lastName' doesn't match '[a-z][a-zA-Z0-9]*'	1	6
ImmutableField	Private field 'm_lastName' could be made final; it is only initialized in the declaration or constructor.	3	6
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	2	6
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	2	7
RedundantFieldInitializer	Avoid using redundant field initializer for 'password'	3	7
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	2	8
ImmutableField	Private field 'defaultpasswordLength' could be made final; it is only initialized in the declaration or constructor.	3	9
LongVariable	Avoid excessively long variable names like defaultpasswordLength	3	9
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	2	9
BeanMembersShouldSerialize	Found non-transient, non-static member. Please mark as transient or provide accessors.	2	10
MethodArgumentCouldBeFinal	Parameter 'firstName' is not assigned and could be declared final	3	12
MethodArgumentCouldBeFinal	Parameter 'lastName' is not assigned and could be declared final	3	12
CommentRequired	Public method and constructor comments are required	3	12–15
CommentRequired	Public method and constructor comments are required	3	17–20
CommentRequired	Public method and constructor comments are required	3	22–34
MethodArgumentCouldBeFinal	Parameter 'depChoice' is not assigned and could be declared final	3	22
SwitchStmtsShouldHaveDefault	Switch statements should have a default label	3	23–33
MethodArgumentCouldBeFinal	Parameter 'length' is not assigned and could be declared final	3	36
LocalVariableCouldBeFinal	Local variable 'set' could be declared final	3	37
LocalVariableCouldBeFinal	Local variable 'rand' could be declared final	3	40
CommentRequired	Public method and constructor comments are required	3	46–50
UseLocaleWithCaseConversions	When doing a String.toLowerCase()/toUpperCase() call, use a Locale	3	48
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**labcodeinspection/EmailApp.java**

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UseUtilityClass	All methods are static. Consider using a utility class instead. Alternatively, you could add a private constructor or make the class abstract to silence this warning.	1	5–26
CommentRequired	Public method and constructor comments are required	3	7–25
MethodArgumentCouldBeFinal	Parameter 'args' is not assigned and could be declared final	3	7
ShortVariable	Avoid variables with short names like sc	3	8
LocalVariableCouldBeFinal	Local variable 'sc' could be declared final	3	8
LocalVariableCouldBeFinal	Local variable 'firstName' could be declared final	3	11
LocalVariableCouldBeFinal	Local variable 'lastName' could be declared final	3	14
LocalVariableCouldBeFinal	Local variable 'depChoice' could be declared final	3	18
LocalVariableCouldBeFinal	Local variable 'email' could be declared final	3	21