# qolistings.sty Package

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# Contents

# 1  Introduction

This package defines and sets up several styles for the `listings` package, as well as a few useful supplimentary commands. This package requires four other packages: `listings`, `mdframed`, `xcolor`, and `forarray`. This package does not provide much functionality, and mostly exists for convenience. Each style uses specifically named colours, namely `ForegroundColour`, `ForegroundColour_3`, `ForegroundColour_5`, `BackgroundColour`, `Accent1`, and `Accent2`. As such, loading the `officecolours` package (or changing the scheme used by the `officecolours` package) will change the colours used in these styles. Thus, code listings should always fit in with the rest of a document.

However, the `officecolours` package is not necessary for the `qolistings` package, and so some default colours are defined and used **if and only if** no colour already has the names listed above. To this end, a new command is also defined; `\colorprovide`. This acts identically to the `\colorlet` command provided in the `xcolor` package, except that it will not overwrite an existing color. For example, `\colorlet{blue}{red}` will overwrite the colour `blue` with the value of `red`. However, `\colorprovide{blue}{red}` will change nothing, since a colour with the name `blue` already exists. In other words, `\colorprovide` is to `colorlet` as `\providecolor` is to `\definecolor`.