

# Scope Functions

- Block of code executed in object context
- In block can access object without its name
- let, run, with, apply and also are 5 scope functions
- Does the same thing, execute code in block
- Difference is how object is available and return
- Provides not new technical capabilities rather makes code concise and readable
- run, with & apply receive object as this while let and also as it
- apply and also return context object while let, run and with lambda expression

## Additional Notes From Kotlin Team

Although scope functions can make your code more concise, avoid overusing them: it can make your code hard to read and lead to errors. We also recommend that you avoid nesting scope functions and be careful when chaining them because it's easy to get confused about the current context object and value of `this` or `it`.