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Deprecated: Nonlocal Returns

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Returning from nested anonymous functions has been deprecated.

Nonlocal returns are implemented by throwing and catching

`scala.runtime.NonLocalReturnException` -s. This is rarely what is intended by the programmer. It can be problematic because of the hidden performance cost of throwing and catching exceptions. Furthermore, it is a leaky implementation: a catch-all exception handler can intercept a `NonLocalReturnException`.

A drop-in library replacement is provided in `scala.util.control.NonLocalReturns`. Example:

```
import scala.util.control.NonLocalReturns.*

extension [T](xs: List[T])
  def has(elem: T): Boolean = returning {
    for x <- xs do
      if x == elem then throwReturn(true)
    false
  }

@main def test(): Unit =
  val xs = List(1, 2, 3, 4, 5)
  assert(xs.has(2) == xs.contains(2))
```

Note: compiler produces deprecation error on nonlocal returns only with `-source:future` option.

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