Image2MultiArray
MultiArray2Image

Drag an image file to Resources

Ready to continue myImage2MultiArray

myImage2MultiArray

myImage2MultiArray

myImage2MultiArray

Sources

Resources

tiger

```swift
import UIKit
import CoreML

// Usage:
//      let mlMultiArray:MLMultiArray =
//          uiImage.mlMultiArray()
//
```
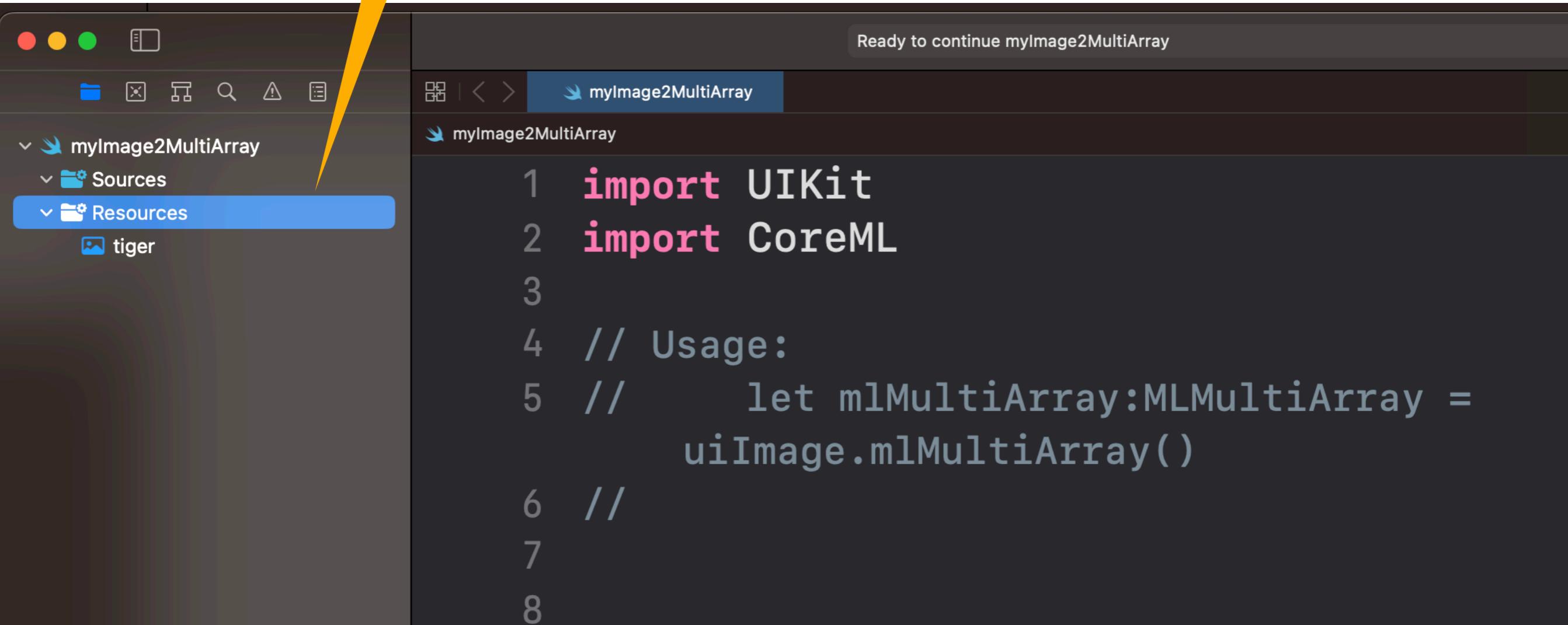
```
let sourceImage = self
```
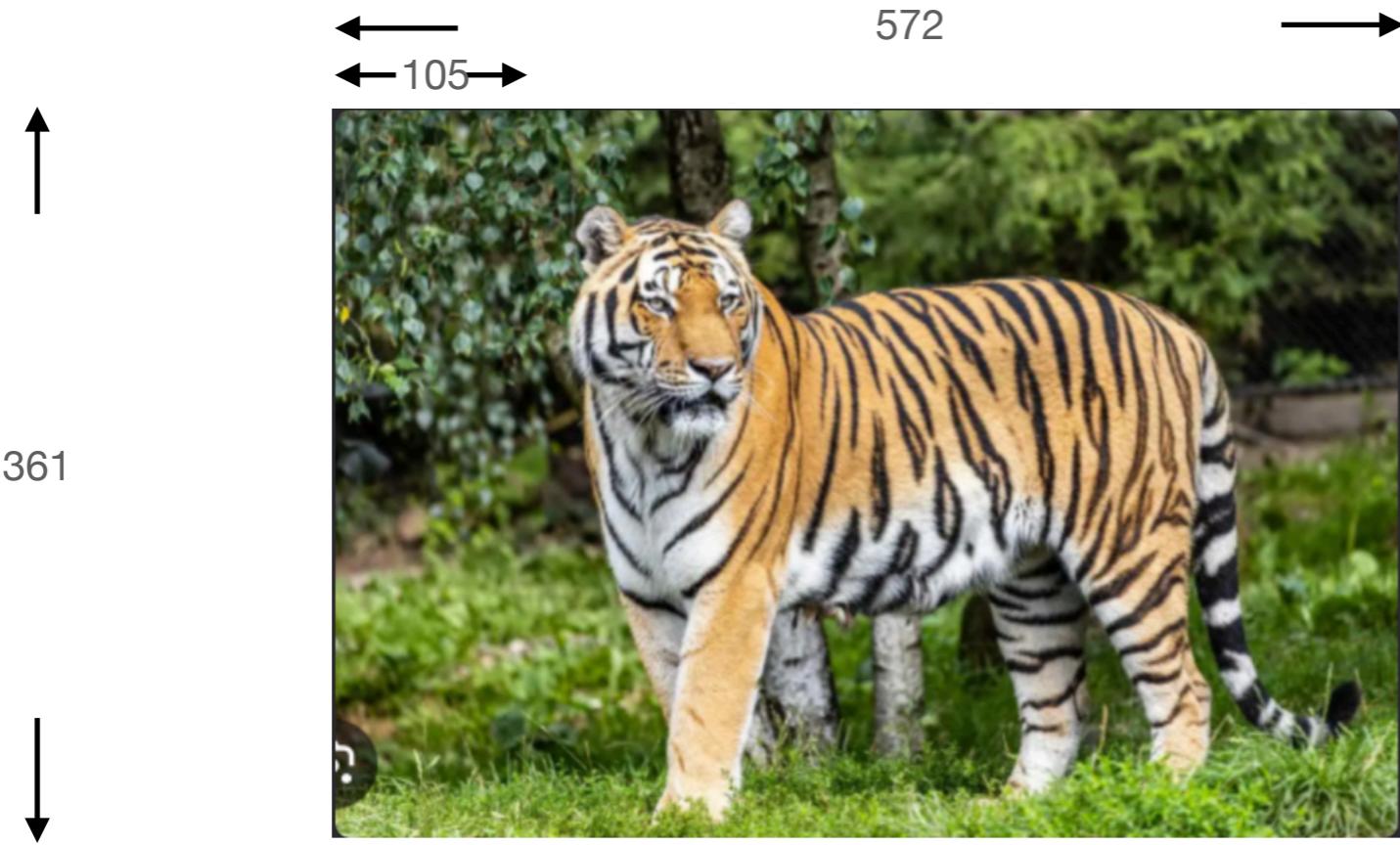w 527 h 361

Center cropped image

```
    return imgCropped
```
w 361 h 361

```swift
extension UIImage {
func cropCenter() -> UIImage?
```

```swift
func cropCenter() -> UIImage? {
    let sourceImage = self
    // The shortest side
    let sideLength = min(
        sourceImage.size.width,
        sourceImage.size.height
    )

    let sourceSize = sourceImage.size
    let xOffset = (sourceSize.width - sideLength) / 2.0
    let yOffset = (sourceSize.height - sideLength) / 2.0

    // The cropRect is the rect of the image to keep,
    // in this case centered
    let cropRect = CGRect(
        x: xOffset,
        y: yOffset,
        width: sideLength,
        height: sideLength
    ).integral
```

```swift
        // Center crop the image
        let sourceCGImage = sourceImage.cgImage!
        let croppedCGImage = sourceCGImage.cropping(
            to: cropRect
        )!
        // Use the cropped cgImage to initialize a cropped
        // UIImage with the same image scale and orientation
        let imgCropped = UIImage(
            cgImage: croppedCGImage,
            scale: sourceImage.imageRendererFormat.scale,
            orientation: sourceImage.imageOrientation
        )
        return imgCropped
    }
```