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//
// --- This is NOT my code, it is an edited version of the code (to fit my use)
// created by Mathew Robinson.
//
// CBBeaconAvertisementData.swift
// iBeaconSwiftOSX
//
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//  
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```

```
import Foundation  
import CoreBluetooth  
import CoreLocation
```

```
final class CBBeaconAdvertisementData: NSObject {  
  
    // MARK: Public properties  
  
    var proximityUUID: NSUUID  
    var major: CLBeaconMajorValue  
    var minor: CLBeaconMinorValue  
    var measuredPower: Int8  
  
    // MARK: Init  
  
    init(proximityUUID: NSUUID?, major: CLBeaconMajorValue?, minor:  
        CLBeaconMinorValue?, measuredPower: Int8?) {  
        self.proximityUUID = proximityUUID!  
        self.major = major!  
        self.minor = minor!  
        self.measuredPower = measuredPower!  
    }  
  
    // MARK: Public methods  
  
    func beaconAdvertisement() -> NSDictionary? {  
        let bufferSize = 21  
        let beaconPreamble: NSString = "kCBAdvDataAppleBeaconKey";  
  
        var advertisementBytes = [CUnsignedChar](repeating: 0, count: bufferSize)  
  
        proximityUUID.getBytes(&advertisementBytes)  
  
        advertisementBytes[16] = CUnsignedChar(major >> 8)  
        advertisementBytes[17] = CUnsignedChar(major & 255)  
  
        advertisementBytes[18] = CUnsignedChar(minor >> 8)  
        advertisementBytes[19] = CUnsignedChar(minor & 255)  
  
        advertisementBytes[20] = CUnsignedChar(bitPattern: measuredPower)  
  
        let advertisement = NSData(bytes: advertisementBytes, length: bufferSize)  
  
        return NSDictionary(object: advertisement, forKey: beaconPreamble)  
    }  
}
```

}