

Northern Michigan University (Marquette Co, MI)
CS345-01-23W Android Programming (Andrew A. Poe)
Practice Quiz 3
Thursday 9 February 2023 2:00 P.M. EST
Time: 15 minutes

Given the following Kotlin classes:

```
class LL {  
  
    var head:LLN? = null  
}
```

```
class LLN (w:String,n:LLN?) {  
  
    var word = w  
    var next = n  
}
```

Given a linked list variable,

```
var l:LL?
```

the method `l!!!.CountLength(lgth:Int)` should return (not print) the number of nodes in `l` that contain words of exactly `lgth` characters. Do not use loops; use recursion only.

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LL:

```
fun CountLength (lgth:Int):Int {  
  
    if (head==null) return 0  
    return head!!.CountLength (lgth)  
}
```

LLN:

```
fun CountLength (lgth:Int):Int {  
  
    var ct = 0;  
    if (next!=null) ct = next!!.CountLength()  
    if (word.length==lgth) ct++  
    return ct  
}
```