

Northern Michigan University (Marquette Co, MI)
CS345-01-23W Android Programming (Andrew A. Poe)
Practice Quiz 2
Thursday 2 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  
}
```

Write the methods `printtail ()`, one in the LL class and one in the LLN class.

Given a linked list variable,

```
var l:LL?
```

the method `l!!.printtail()` should print the string in the tail node, the node furthest from the head. The LL `printtail()` method should call the method in the LLN class which should operate recursively, without loops.

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LL:

```
fun printtail () {  
    head?.printtail()  
}
```

LLN:

```
fun printtail () {  
    if (next==null)  
        println (word)  
    else  
        next!!.printtail()  
}
```