

Northern Michigan University (Marquette Co, MI)
CS345-01-23W Android Programming (Andrew A. Poe)

Practice Quiz 5

Thursday 23 February 2023 1:00 P.M. EST

Time: 15 minutes

Your android activity (in Kotlin) contains a button named myButt and two text fields named myText and otherText. Their ids in the layout file are, respectively, button1, TF1, and TF2.

Write that portion of the onCreate() method (not the whole method) that connects the above widgets to the layout and programs the button so that whenever it is clicked, the text in TF1 is checked to see if is a palindrome. If it is, TF2 should contain the word "YES". If not, TF2 should contain the word "NO." For example, if TF1 contains "RADAR" TF2 should contain "YES". If TF2 contains "HORSE" TF2 should contain "NO."

Northern Michigan University (Marquette Co, MI)
CS345-01-23W Android Programming (Andrew A. Poe)

Practice Quiz 5

Thursday 23 February 2023 1:00 P.M. EST

Time: 15 minutes

```
myButt = findViewById (R.id.button1)
myText = findViewById (R.id.TF1)
otherText = findViewById (R.id.TF2)

myButt.setOnClickListener {

    val s = myText!!.text!!.toString()
    if (s!! == s!!.reversed()) otherText!!.text = "YES"
    else otherText!!.text = "NO"
}
```

Alternatively,

```
var p = true
var i = 0
var j = myText!!.text!!.length-1
while (i < j && p)
    if (myText!!.text!![i] != myText!!.text!![j])
```

Northern Michigan University (Marquette Co, MI)
CS345-01-23W Android Programming (Andrew A. Poe)

Practice Quiz 5

Thursday 23 February 2023 1:00 P.M. EST

Time: 15 minutes

```
p = false
else {i++;j--}
if (p) otherText!!.text = "YES"
else otherText!!.text = "NO"
```