## STAT 33B Lecture Workbook Wk 10

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This workbook is due Mar 31, 2021 by 11:59pm PT.

• Knit and submit the generated PDF file on Gradescope.

Write a function that determines whether each element in a numeric vector is even or odd.

If all of the elements are even, cat the message "All even".

If they are all odd then cat the message "All odd".

Otherwise, cat the message, "Mixed values, e.g. x is even and y is odd" where x is an even value and y is an odd value of the input vector.

Test your function with the following inputs

```
evens = seq(2, 10, by = 2)

odds = seq(1, 7, by = 2)

mixed = c(10, 12, 14, 17, 20)
```

checkDivisibility(odds)

## All odds.

checkDivisibility(evens)

## All even.

checkDivisibility(mixed)

## Mixed values, e.g., 10 is even and 17 is odd.