RfEX
Problem Set 1

Zhenya Kosovan

October 11, 2019

Problem 1

- print actual time
- create a list "bad list" with 3 positions: 'na' with values 'NA' 3 times, 'chars' with values 'a','b','c', 'bools' with values FALSE 2 times and TRUE once
- create a data frame 'happyframe' with similar specification as in previous points: 3 columns 'na', 'chars', 'bools'; 3 rows

Problem 2

- write the commands that will calculate the length of numeric vector 'input' using arithmetic operators and functions only (**without using len function**)
- write the commands that will output boolean vector with TRUE for every 3 3rd position of the vctor and FALSE for every other position using arithmetic & comparison operators
- given the following input, return the boolean vector indicating whether the fruit is
    1. red fruit larger than 5
    2. non-red fruit smaller than 5

Problem 3

- load mtcars dataset (to do that simply write df = mtcars)
- slice rows where columns **carb** is less than or equal to 2
- choose rows **3,8,12**
- sum the values of the columns **disp**
- create a list with the following elements:
    1. slice the fifth row of the third column from data.frame (using [] notation)
    2. slice the eight position of the **drat** column (using $ notations)
    3.