Exercise2

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Exercise

Design a study that:

a. Does something that requires RNG
b. Fixes the RNG seed
c. Replicates the results
d. Generates an reproducible archive/reprex/markdown
e. Will run on my machine without trouble (package installs may be excused)
f. Communicates the info of your session

```r
set.seed(15)

a <- sample(1:10, size = 50, replace = TRUE)
b <- replicate(1, a)

summary(a)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    1.00    2.00    5.00    5.10    7.75   10.00
```

```r
summary(b)
```

```
##        V1
##  Min.   : 1.00
##  1st Qu.: 2.00
##  Median : 5.00
##  Mean   : 5.10
##  3rd Qu.: 7.75
##  Max.   :10.00
```

```r
sessionInfo()
```

```
## R version 4.1.1 (2021-08-10)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 22621)
##
## Matrix products: default
```

```
##
## locale:
## [1] LC_COLLATE=English_United States.1252
## [2] LC_CTYPE=English_United States.1252
## [3] LC_MONETARY=English_United States.1252
## [4] LC_NUMERIC=C
## [5] LC_TIME=English_United States.1252
##
## attached base packages:
## [1] stats     graphics  grDevices utils     datasets  methods   base
##
## loaded via a namespace (and not attached):
##  [1] compiler_4.1.1  magrittr_2.0.3  fastmap_1.1.0   cli_3.4.0
##  [5] tools_4.1.1     htmltools_0.5.3 rstudioapi_0.14 yaml_2.3.6
##  [9] stringi_1.7.8   rmarkdown_2.18  knitr_1.41      stringr_1.4.1
## [13] xfun_0.34       digest_0.6.30   rlang_1.0.6     evaluate_0.18
```