Block1_operations

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```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --
```

```
## v ggplot2 3.3.5      v purrr   0.3.4
## v tibble  3.1.6      v dplyr   1.0.7
## v tidyr   1.1.4      v stringr 1.4.0
## v readr   2.1.1      v forcats 0.5.1
```

```
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

1. Loading data

```
kiwi <- readr::read_csv('kiwi.csv')
```

```
## Rows: 700 Columns: 5
```

```
## -- Column specification ------------------------------------------------------
## Delimiter: ","
## chr (3): Species_code, Gender, Location
## dbl (2): Weight(kg), Height(cm)
```

```
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

2. Data examination

To showcase data

```
kiwi
```

```
## # A tibble: 700 x 5
##    Species_code Gender ‘Weight(kg)‘ ‘Height(cm)‘ Location
##    <chr>        <chr>         <dbl>        <dbl> <chr>
##  1 Tok          M              2.05         36.5 StI
##  2 Tok          F              2.40         40.3 SF
##  3 GS           M              2.01         42.9 NWN
##  4 NIBr         M              1.81         36.1 E
##  5 NIBr         F              2.89         41.4 W
##  6 NIBr         M              2.05         38.1 E
##  7 Tok          F              2.93         41.8 NF
##  8 Tok          F              2.85         41.7 NF
##  9 Tok          M              2.25         38.4 StI
## 10 Tok          M              1.97         37.2 StI
## # ... with 690 more rows
```

```
head(kiwi,4)
```

```
## # A tibble: 4 x 5
##   Species_code Gender ‘Weight(kg)‘ ‘Height(cm)‘ Location
##   <chr>        <chr>         <dbl>        <dbl> <chr>
## 1 Tok          M              2.05         36.5 StI
## 2 Tok          F              2.40         40.3 SF
## 3 GS           M              2.01         42.9 NWN
## 4 NIBr         M              1.81         36.1 E
```

```
tail(kiwi,6)
```

```
## # A tibble: 6 x 5
##   Species_code Gender ‘Weight(kg)‘ ‘Height(cm)‘ Location
##   <chr>        <chr>         <dbl>        <dbl> <chr>
## 1 GS           M              2.44         46   CW
## 2 NIBr         F              2.31         39.5 E
## 3 Tok          F              2.41         41.2 StI
## 4 Tok          M              2.49         36.1 NF
## 5 NIBr         M              2.95         34.9 W
## 6 GS           F              3.70         44.2 CW
```

```
knitr::kable(tail(kiwi,6))
```

Species_code	Gender	Weight(kg)	Height(cm)	Location
GS	M	2.436	46.0	CW
NIBr	F	2.309	39.5	E
Tok	F	2.414	41.2	StI
Tok	M	2.490	36.1	NF
NIBr	M	2.953	34.9	W
GS	F	3.695	44.2	CW