df-data

Data

```r
library(tidyverse)

id <- str_c("SD",101:108)
test1 <- c(67,23,60,78,55,67,75,36)
practical <- c(45,23,56,90,87,55,88,55)
finalExam <- c(56,32,74,87,65,66,84,43)
df <- data.frame(id, test1, practical, finalExam)
df
```

```
     id test1 practical finalExam
1 SD101    67        45        56
2 SD102    23        23        32
3 SD103    60        56        74
4 SD104    78        90        87
5 SD105    55        87        65
6 SD106    67        55        66
7 SD107    75        88        84
8 SD108    36        55        43
```

Select specific rows

```r
# extract rows 2 and 5
df[c(2,5),]
```

```
     id test1 practical finalExam
2 SD102    23        23        32
5 SD105    55        87        65
```

Select specific columns

```r
# select columns 1 and 4
df[,c(1,4)]
```

```
     id finalExam
1 SD101        56
2 SD102        32
3 SD103        74
4 SD104        87
5 SD105        65
6 SD106        66
7 SD107        84
8 SD108        43
```

Select a value

```r
# extract specific finalExam score
df[2,4]
```

```
[1] 32
```

Extract maximum value of column

- use of `str_c` to concatenate strings
- use of . (dot) to allow pipe `%>%` to go to second argument

```r
library(tidyverse)
df$finalExam %>%
  max() %>%
  str_c("Maximum value = ",.)
```

```
[1] "Maximum value = 87"
```