HW3: Tidyverse Work

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Loading libraries

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ---------------------- tidyverse 2.0.0 --
v dplyr     1.1.4      v readr     2.1.5
v forcats   1.0.0      v stringr   1.5.1
v ggplot2   3.5.2      v tibble    3.2.1
v lubridate 1.9.4      v tidyr     1.3.1
v purrr     1.0.4
-- Conflicts -------------------------------------- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becor
```

```
library(palmerpenguins)
```

```
Attaching package: 'palmerpenguins'

The following objects are masked from 'package:datasets':

    penguins, penguins_raw
```

Task 1

Question a: Why `read_csv` cannot be used to read the data.txt file

The function `read_csv()` can only be used to read in files that use the delimeters of commas or tabs. The function `read_csv2()` must be used in files with semicolons as the separator (commas can be used for decimal points).

```r
data <- read.csv2('~/ST558 Repo/HW3_/Data/data.txt',
                  header = T)
data
```

```
  x y z
1 1 2 3
2 5 3 8
```

Question b: Reading in 2nd file

In this file, "6" is the delimeter.

```r
data_2 <- read_delim('~/ST558 Repo/HW3_/Data/data2.txt',
                     delim = '6',
                     col_types= 'fdc')

data_2
```

```
# A tibble: 3 x 3
  x         y z
  <fct> <dbl> <chr>
1 1         2 3
2 5         3 8
3 7         4 2
```