Step 1: Load packages

```
install.packages("tidyverse")
```

```
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.0'
## (as 'lib' is unspecified)
```

```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --v ggplot2 3.3.5     v
## v tibble  3.1.8     v dplyr   1.1.0
## v tidyr   1.3.0     v stringr 1.5.0
## v readr   2.1.3     v forcats 0.5.1-- Conflicts ------------------------------------------ tidyverse_
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

Step 2: Create data frame

```
names <- c("Peter", "Jennifer", "Julie", "Alex")
```

Then create a vector of ages:

```
age <- c(15, 19, 21, 25)
```

Create a new data frame called `people`:

```
people <- data.frame(names, age)
```

Step 3: inspect the data frame

```
head(people)
```

```
##      names age
## 1    Peter  15
## 2 Jennifer  19
## 3    Julie  21
## 4     Alex  25
```

```
str(people)
```

```
## 'data.frame':    4 obs. of  2 variables:
##  $ names: chr  "Peter" "Jennifer" "Julie" "Alex"
##  $ age  : num  15 19 21 25
```

```
glimpse(people)
```

```
## Rows: 4
## Columns: 2
## $ names <chr> "Peter", "Jennifer", "Julie", "Alex"
## $ age   <dbl> 15, 19, 21, 25
```

```
colnames(people)
```

```
## [1] "names" "age"
```

```
mutate(people, age_in_20 = age + 20)
```

```
##      names age age_in_20
## 1    Peter  15        35
```

```
## 2 Jennifer  19        39
## 3    Julie  21        41
## 4     Alex  25        45
```

Step 4: Create dataframe

```
fruit <- c("Lemon", "Blueberry", "Grapefruit", "Mango", "Strawberry")
```

```
rank <- c(4, 2, 5, 3, 1)
```

```
fruit_ranks <- data.frame(fruit, rank)
```

```
head(fruit_ranks)
```

```
##        fruit rank
## 1      Lemon    4
## 2  Blueberry    2
## 3 Grapefruit    5
## 4      Mango    3
## 5 Strawberry    1
```