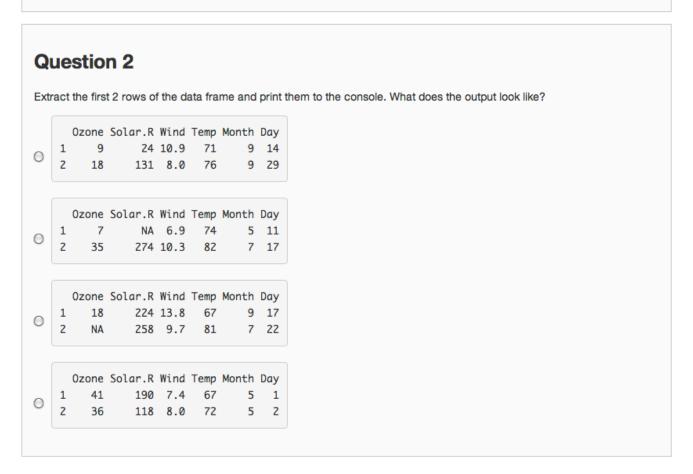For this exercise, you should use R to find the correct answer to each question and then label it with a comment, placed just underneath. For example, `# above is the answer to Q. 1`

The multiple-choice options help to make sure you're in the right "ballpark" for each one!

Question 1

What are the column names of the dataset?

- ○ Month, Day, Temp, Wind
- ○ Ozone, Solar.R, Wind
- ○ Ozone, Solar.R, Wind, Temp, Month, Day
- ○ 1, 2, 3, 4, 5, 6

Question 2

Extract the first 2 rows of the data frame and print them to the console. What does the output look like?

- ○
  ```
    Ozone Solar.R Wind Temp Month Day
  1     9      24 10.9   71     9  14
  2    18     131  8.0   76     9  29
  ```

- ○
  ```
    Ozone Solar.R Wind Temp Month Day
  1     7      NA  6.9   74     5  11
  2    35     274 10.3   82     7  17
  ```

- ○
  ```
    Ozone Solar.R Wind Temp Month Day
  1    18     224 13.8   67     9  17
  2    NA     258  9.7   81     7  22
  ```

- ○
  ```
    Ozone Solar.R Wind Temp Month Day
  1    41     190  7.4   67     5   1
  2    36     118  8.0   72     5   2
  ```

Acknowledgments and thanks for this activity go to

Question 3

How many observations (i.e. rows) are in this data frame?

○ 160

○ 153

○ 129

○ 45

Question 4

Extract the *last* 2 rows of the data frame and print them to the console. What does the output look like?

○
```
    Ozone Solar.R Wind Temp Month Day
152    34     307 12.0   66     5  17
153    13      27 10.3   76     9  18
```

○
```
    Ozone Solar.R Wind Temp Month Day
152    11      44  9.7   62     5  20
153   108     223  8.0   85     7  25
```

○
```
    Ozone Solar.R Wind Temp Month Day
152    18     131  8.0   76     9  29
153    20     223 11.5   68     9  30
```

○
```
    Ozone Solar.R Wind Temp Month Day
152    31     244 10.9   78     8  19
153    29     127  9.7   82     6   7
```

Question 5

What is the value of Ozone in the 47th row?

- ○ 63
- ○ 34
- ○ 18
- ○ 21

Question 6

How many missing values are in the Ozone column of this data frame?

- ○ 78
- ○ 9
- ○ 37
- ○ 43

Question 7

What is the mean of the Ozone column in this dataset? Exclude missing values (coded as NA) from this calculation.

- ○ 42.1
- ○ 53.2
- ○ 31.5
- ○ 18.0

Question 8

Extract the subset of rows of the data frame where Ozone values are above 31 and Temp values are above 90. What is the mean of Solar.R in this subset?

- ○ 334.0
- ○ 212.8
- ○ 185.9
- ○ 205.0

Question 9

What is the mean of "Temp" when "Month" is equal to 6?

- ○ 90.2
- ○ 85.6
- ○ 79.1
- ○ 75.3