

XP Booster

February 16

This week you will be working **SOLO**. You have 10 minutes.

1. Mr. Merrick Writes the following code below:

```
1 food <- c('ice cream', 'cake', 'ice cream', 'pie', 'pie')
2 sum(food=='cake')
```

What will be displayed in the console when the code runs?

Solution: 1

2. Consider the code below (note that 'food' contains an arbitrary number of strings):

```
1 food <- c('ice cream', 'cake', ..., 'ice cream', 'pie', 'pie')
```

Write a script that calculates the proportion of items in food that are 'cake'.

Solution:

```
1 sum(food == 'cake')/length(food)
```

3. The dataset 'birds.csv' is in the current working directory. Write the code that will load the dataset into R below.

Solution:

```
1 birds <- read.csv('birds.csv')
```

4. The birds dataset is tidy with 3 variables: Type, Weight, and Height, and 12 observations. Fill in what the dataset could look like below:

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