



Exercise



Using variables 1

What is the sum of the first n positive integers?

We can use the formula $n(n + 1)/2$ to quickly compute this quantity.

Instructions

100 XP

- Define `n<-100`
- Then use R to compute the sum of 1 through 100 using the formula $n(n + 1)/2$. What is the sum?
- Make sure you do not erase or change the sample code on DataCamp exercises.

Take Hint (-30 XP)

script.R

Dark Mode

```
1 # Here is how you compute the sum for the first 20 integers
2 20*(20+1)/2
3
4 # However, we can define a variable to use the formula for other values of n
5 n <- 20
6 n*(n+1)/2
7
8 n <- 25
9 n*(n+1)/2
10
11 # Below, write code to calculate the sum of the first 100 integers
12 n <- 100
13 n*(n+1)/2
14
```



Run Code

Submit Answer

R Console