
L3: R Basics Lab

Complete the following exercises in R. Work in your small group to solve them. For each question, first write the code on the board, and then try running it to see if it works as expected.

1. Write a string in R that says your group name. First write it on the board and then run it to see if it works as expected:

2. Write the code to calculate the result of the following expression:

$$\frac{12 + 7}{3} - \left(\frac{8}{2}\right)^{2+1}$$

First write it on the board and then run it to see if it works as expected:

3. Write the code to find the remainder when 145 is divided by 12. First write it on the board and then run it to see if it works as expected:

4. Assign the value 25 to a variable called apples and 40 to a variable called oranges. Calculate the total number of fruit. First write it on the board and then run it to see if it works as expected:

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5. Someone wrote this in R. Identify what is wrong with it first, and then run it to see if it is correct. Fix the error

```
> 10 + 5 * (3 - 2
```

6. Try to identify what value will be stored in the variable 'x'. First write it on the board and then run it to see if it works as expected:

```
x <- 2  
x <- x + 75  
x - 10
```

7. Write the code to calculate the the expression $22/7$ with only using the floor (%) and remainder (%) operators. First write it on the board and then run it to see if it works as expected:

8. Write the code to calculate the result of the following expression:

$$\frac{(8 + 2^3) \times 5 - 3^{2^5} + 12}{4^{1/2}}$$

First write it on the board and then run it to see if it works as expected: