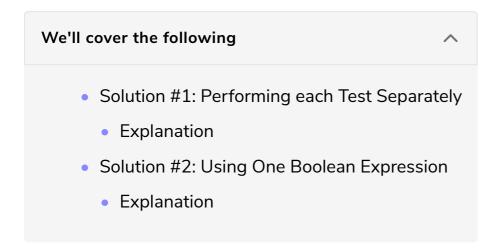
Solution Review: Relational and Logical Operators

In this review, we give a detailed analysis of the solution to this problem.



Solution #1: Performing each Test Separately



Explanation

Our task was to check whether the <code>testVariable</code> lies between 4 and 10. For that, we first check whether the number is <code>greater</code> than 4 and store the result in a variable <code>test1</code>. Then we check whether the number is <code>less</code> than 10 and store the result in variable <code>test2</code>. Later, we take the <code>&&</code> of the two variables so that we can check whether both the tests pass or not and print the result.

Solution #2: Using One Boolean Expression



Explanation

The above method is simpler. Just use relational and logical operators to make a boolean equation and print the result. R compiler is smart enough to compute the value of testVariable > 4 first then compute the value of testVariable < 10 and later AND their results. This is because the relational operators have higher precedence than logical operators. So, they are executed first and then the logical operators are applied.

Let's take a small quiz on Operators and Notations in R to test your concepts.