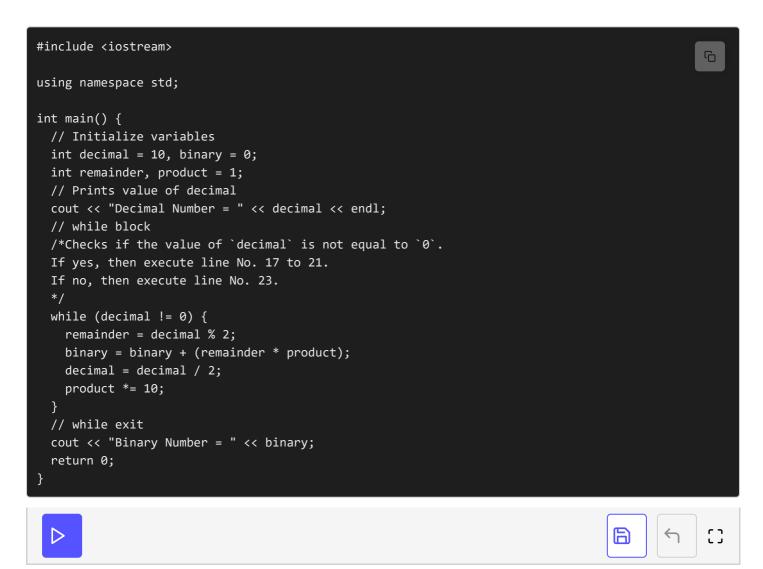
## Solution Review: Convert Decimal Number to Binary

Let's go over the solution review of the challenge given in the previous lesson.



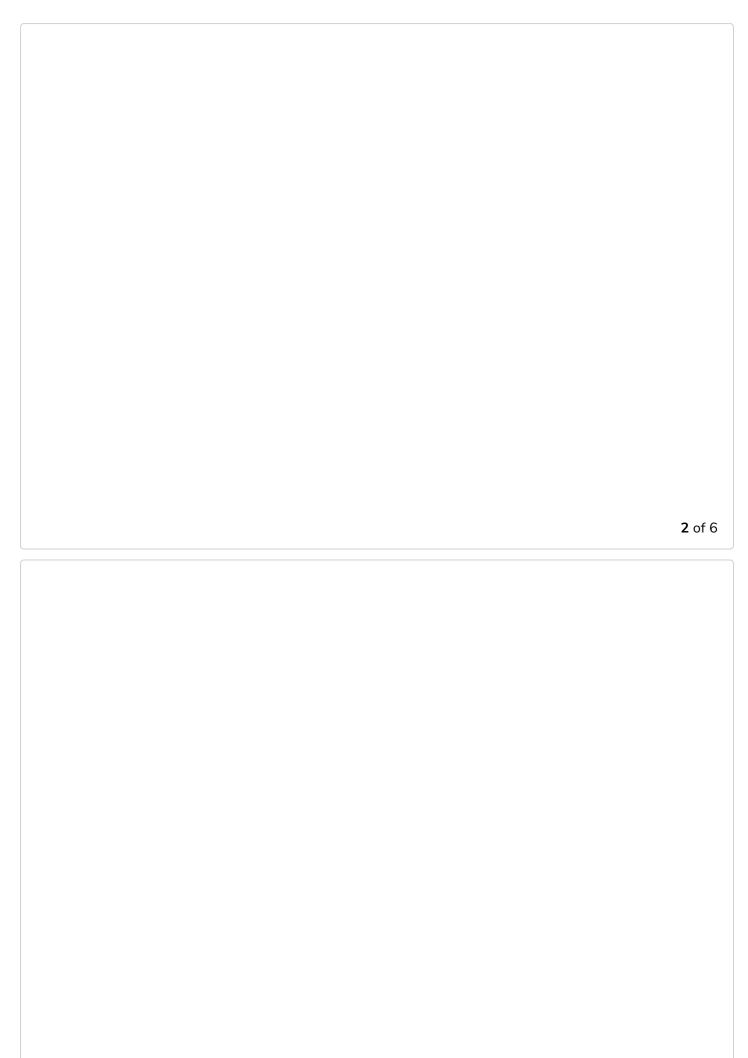
## Solution #

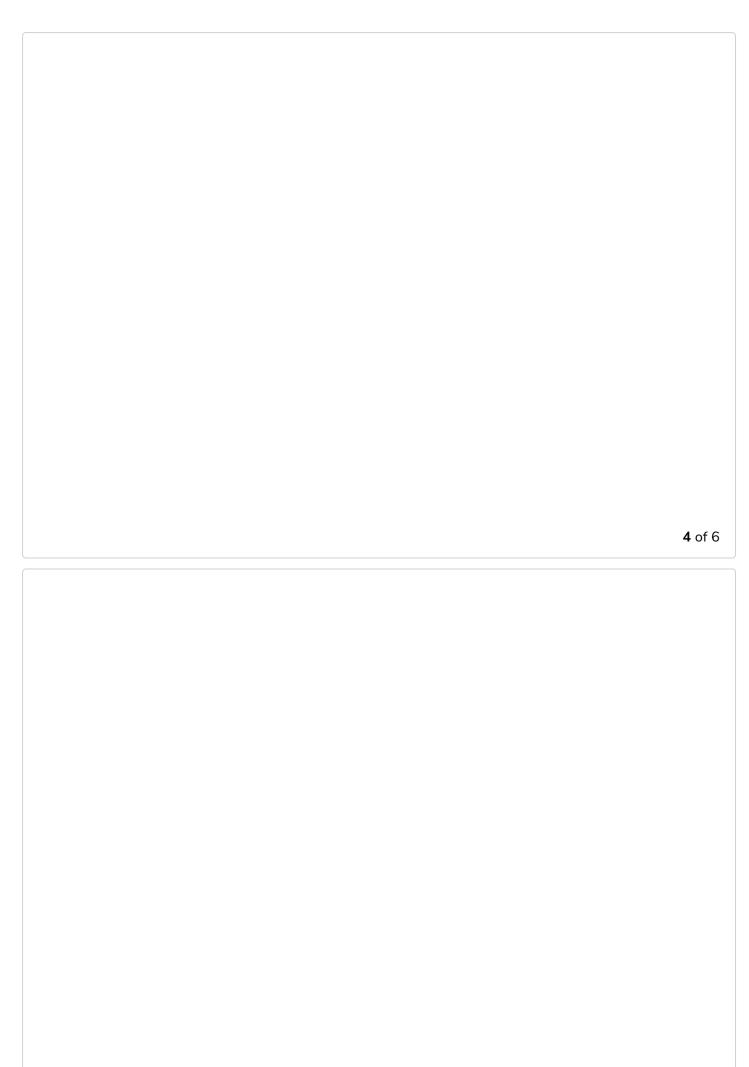


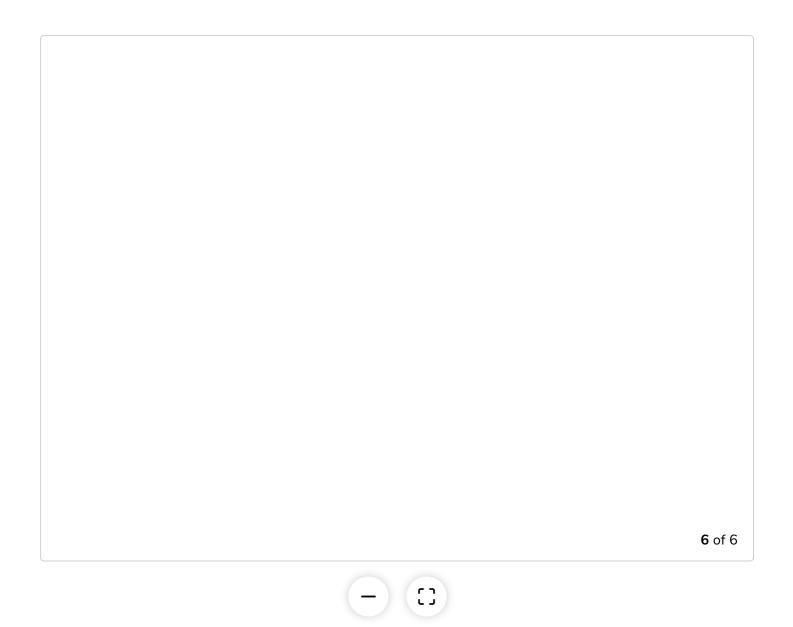
## **Explanation** #

To convert the decimal number into binary, we should keep dividing the number by 2 until the quotient is not equal to 0. The resultant remainder is the number in binary.

In the code above, we keep iterating through the loop until the decimal is not equal to 0. We first divide the number by 2 and store the remainder in the remainder variable. Then, we multiply the remainder by product, add binary in and then store the answer in binary. For the next iteration, we divide the decimal by 2 and multiply the product by 10.	
by 2 and maniply the product by 10.	
<b>1</b> of	<sup>-</sup> 6







Let's solve a difficult challenge in the next lesson.