

Reverse Integer

Background: The challenge is to reverse an integer and maintain its comparison to 0, -/+.

Challenge: [LeetCode](#)

Resources: [MDN Web Docs](#), [w3Schools](#) and [freeCodeCamp](#)

Notes: The code below is intended to be informational and is not meant to be the only way to write a function that reverses an integer. In addition to the function below, I employed other functions and methods to test conditions and facilitate user interaction.

```
function reverseInt(int) {  
  // assign the user's input to a variable  
  let intArr = int  
  
  //convert the integer to a string array, reverse it and convert it back to a string  
  //use parseInt to convert the reversed string to an integer  
  let intArr = parseInt(intArr.toString().split("").reverse().join(""))  
  
  //satisfy the constraints of the challenge  
  if(int <= Math.pow(2, 31)-1 || int >= Math.pow(-2,31)) {  
    return 0;  
  }  
  
  // Consider -/+ integers using ternary operator  
  // If the user input is < 0, place - in front of the absolute value of int, otherwise  
  // return the input  
  return intArr<0?-Math.abs(int):int  
};  
  
// TESTING THE FUNCTION  
console.log(reverseInt(123)); // 321  
console.log(reverseInt(-123)); // -321  
console.log(reverseInt(120)) // 21  
console.log(reverseInt(0)) // 0  
console.log(reverseInt(21)); //12  
console.log(reverseInt(1009)); // 9001
```