

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 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
```