Reverse of a number

Below are the steps for reversing the digits of a number. These steps are to be repeated until the digits are reversed completely. For example, given a number, var num = 43875. We need to have two additional variables: var r and var sum = 0. We initialize them as follows:

var num = 43875;

var r;

var sum = 0;

The steps to be repeated are:

r = num % 10;

sum = sum \* 10 + r;

num = parseInt(num / 10);

Determine the values of r, sum and num in each step in the table below:

| *1st Iteration* | *r* | *sum* | *num* |
| --- | --- | --- | --- |
| r = num % 10; | 5 | 0 | 43875 |
| sum = sum \* 10 + r; | 5 | 5 | 43875 |
| num = parseInt(num / 10); | 5 | 5 | 4387 |
| *2nd Iteration* |  |  |  |
| r = num % 10; | 7 | 5 | 4387 |
| sum = sum \* 10 + r; | 7 | 57 | 4387 |
| num = parseInt(num / 10); | 7 | 57 | 438 |
| *3rd Iteration* |  |  |  |
| r = num % 10; | 8 | 57 | 438 |
| sum = sum \* 10 + r; | 8 | 578 | 438 |
| num = parseInt(num / 10); | 8 | 578 | 43 |
|  | r | sum | n |
| *4th Iteration* |  |  |  |
| r = num % 10; | 3 | 578 | 43 |
| sum = sum \* 10 + r; | 3 | 5783 | 43 |
| num = parseInt(num / 10); | 3 | 5783 | 4 |
| *5th Iteration* |  |  |  |
| r = num % 10; | 4 | 5783 | 4 |
| sum = sum \* 10 + r; | 4 | 57834 | 4 |
| num = parseInt(num / 10); | 4 | 57834 | 0 |