

Front-end interview coding Questions and answers : Create function to reverse words in a sentence

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In this article I have provided a front-end interview coding question that is frequently asked in big tech companies such as

Amazon and Microsoft. This coding question can also be asked for any developer interviews. However, I have a sample code to resolve this problem via Javascript.

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Question : Create a function that will reverse words in a sentence.

Example: This is my first test

Intended result output: test first my is This

As the first attempt we do have reverse inbuilt function which we can use and reverse the words within string.

```
split("").reverse().join("");
```

It works properly with simple string but when we have regex within sentence it won't work as expected.

Here is another example step-by-step explanation:

function

```
reverse_words (str) {  
  var words = str.split(" ");  
  var j = words.length - 1;  
  console.log(j);  
  backWords = [];
```

```
  for (i=0 ; i < words.length ; i++) {
```

```
backWords[j] = words[i];  
j-;  
}  
  
return backWords.join(" ");  
}
```

First we need to split words for given sentence.

So we get an array of words :

```
words = str.split(" ");
```

now we can have another array of words:

```
backWords = new Array();
```

And now we can fill "backWords" array and put words in reverse order than "words" array.

```
var j = words.length - 1;
```

```
for (i=0 ; i < words.length ; i++) {  
backWords[j] = words[i];  
j-;  
}
```

JavaScript	HTML	CSS	Result	Edit in JSFiddle
<pre>function reverse_words(str) { var words = str.split(" "); var j = words.length - 1; console.log(j); backWords = []; for (i = 0; i < words.length; i++) { backWords[j] = words[i]; j--; } return backWords.join(" "); } //Here is the test alert(reverse_words("test's is ok than test"));</pre>				

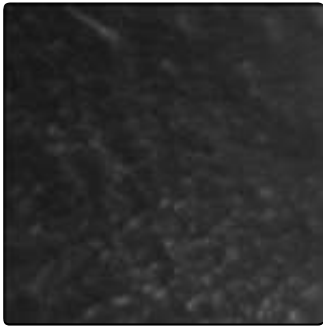
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