

## Program - 1: [ES6 word count]

T. Kavya.  
IP25CS006  
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### Aim:

To create a functions words and word frequency using ES6 to find all words and the number of their occurrences in the provided string.

### Algorithm:

1. Start the program.
2. Input a string the text.
3. Remove punctuation marks (commas full stop like that) from the text.
4. Split the text into individual words.
5. Store all words in an array.
6. Find the unique words from an
7. For each unique word → count how many times it appears in the original one.
8. Store them & count in an object.
9. Display the count.
10. Stop the program.

### Result:

The program ran successfully.

### Program:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title> word frequency </title>
  </head>
  <body>
```



```

<script>
const words = (str) => { return str.replace(/[.,]/g, " ").split(" "); }

const wordFrequency = (wordsArr) => { const freq = {};
const uniqueWords = [...new Set(wordsArr)];
uniqueWords.forEach(word => { freq[word] = wordsArr.filter(w => w === word).length; });

return freq; };

const text = "Hi, I am studying in rvsas insulur. In school
of computer studies PG. I completed my Ucat
KASC";

const allWords = words(text);
const frequency = wordFrequency(allWords);
console.log(frequency);
</script> </body> </html>

```

output:

```

{Hi: 1, ",": 1, I: 2, am: 1, studying: 1, ...}
": 1 Hi: 1 I: 2 KASC: 1 PG: 1 am: 1 Ucat: 1 at: 1
Completed: 1 computer: 1 in: 2 my: 1 of: 1 rvsas: 1
school: 1 studied: 1 studying: 1 sulur: 1

```

P-2. o/p.

TODO List

HI ☒

HELLO ☒

TODO ☒