

ITE1002 – WebTech  
CAT-2  
Namit Nathwani – 17BCI0113

**HTML:**

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>17BCI0113 - Q3</title>
    <script src="jquery-3.1.1.js"></script>
    <script src="cat2.js"></script>
  </head>

  <style>
    html, body {
      background-color: salmon;
      text-align: center;
    }
  </style>

  <body>
    <h2>Namit Nathwani<br>17BCI0113</h2>
    <input type="text" id="inputText">
    <br><br>
    <button id="submit">Submit</button>
    <br>
    <h4 id="result" style="display: hidden"></h4>
  </body>
</html>
```

**JS:**

```
var words = ['i', 'like', 'sam', 'sung', 'samsung', 'mobile', 'ice', 'cream',  
'icecream', 'man', 'go', 'mango'];
```

```
words = words.sort(compareLen);
```

```
words = words.reverse();
```

```
function compareLen(a, b) {  
    if(a.length > b.length)  
        return 1;  
    else if(a.length == b.length)  
        return 0;  
    return -1;  
}
```

```
console.log(words);
```

```
function doSplit(input) {  
    var str = input;  
    var arr = [];  
    var finalStr = "";  
    var strArr = [];  
  
    for(var i = 0; i < words.length; i++) {  
        arr = str.split(words[i]);  
  
        for(var j = 0; j < arr.length; j++)  
            if(words.includes(arr[j]))  
                str = arr.join(" " + words[i] + " ");  
  
        if(!strArr.includes(str) && str != input)  
            strArr.push(str);  
  
        finalStr = str;  
    }  
}
```

```

        console.log(strArr);
        finalStr = strArr.join("<br>");

        $('#result').html(finalStr);
        $('#result').animate("slideDown", 4000);
    }

    function doThatThingy() {
        var inp = $('#inputText').val();
        doSplit(inp);
        // doSplit("ilike");
    }

    $(document).ready(function() {
        $('#submit').click(doThatThingy);
    });

```

**Output:**



**Namit Nathwani**  
**17BCI0113**

iamnamit

Submit

**Invalid words in the string**