<!DOCTYPE html>

<html>

<head>

<title></title>

</head>

<body>

<input type="file" id="open-file">

<h1 id="poem"></h1>

<script>

// load a file

//储存input的

var reader = new FileReader();

//把选择的文件存到reader里

document.getElementById("open-file").onchange = function(){

reader.readAsText(this.files[0]);

}

//读完了文件

reader.onload = function(event){

buildDictionary(event.target.result);//读完好的文字传到buildDictionary.

markov()//运行

}

// now the file has been loaded

var dictionary = {};

//自创的function定义

function buildDictionary(text){

// console.log(text);

var words = text.split(/\s+/);//split自带function，把文字拆开（空格拆开）

console.log(words);

// loop over every word, put it in the buildDictionary

var i = 0;//【循环】运行while里的码

while(i < words.length - 1){

//i=0 数学

// get the word from the word array

var thisword = words[i];

var nextword = words[i+1];

// if we're seeing this letter for the first time, create an empty array

if(dictionary[thisword] == undefined){

//检查==是不是一样，【走一遍】

dictionary[thisword] = [];

}

// add the word into the dictionary, at the first letter's spot, add to the array

dictionary[thisword].push(nextword);

i = i + 1;//让i每次运行+1

}

console.log(dictionary);

}

//生成一个随机数范围0-max

function randomInt(max){

return parseInt(Math.random() \* max);

}

function markov(){

var keys = Object.keys(dictionary);

var firstword = keys[ randomInt(keys.length) ];//随机得到一个词

// console.log([firstword]);

var words = [firstword ];//把

// loop start

var counter = 0;

while(counter < 20){

var thisword = words[words.length - 1];

var nextwordarray = dictionary[thisword];

var nextword = nextwordarray[ randomInt(nextwordarray.length)];

words.push(nextword);

counter = counter + 1;

}

console.log(words);

// loop end

var poem = words.join(" ");

document.getElementById("poem").innerHTML = poem//把生成的poem放到网页里

}

</script>

</body>

</html>