<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>正则练习题3</title>

</head>

<body>

<h1>

Freecodecamp练习题3

要求在freecodecamp.cn网页上验证通过

1 https://freecodecamp.cn/challenges/caesars-cipher

2 https://freecodecamp.cn/challenges/search-and-replace

3 https://freecodecamp.cn/challenges/pig-latin

4 https://freecodecamp.cn/challenges/spinal-tap-case

5 https://freecodecamp.cn/challenges/validate-us-telephone-numbers</h1>

<pre>

一 https://freecodecamp.cn/challenges/caesars-cipher

<script type="text/javascript">

function rot13(str) { // LBH QVQ VG!

str=str.replace(/[A-Z]/gi,function(match){

return /^[N-Zn-z]$/.test(match)?String.fromCharCode(match.charCodeAt()-13):String.fromCharCode(match.charCodeAt()+13);

});

return str;

}

// Change the inputs below to test

console.log(rot13("SERR PBQR PNZC"));//"FREE CODE CAMP"

console.log(rot13("sErR PbqR pnzC"));//fReE CodE camP

</script>

二 https://freecodecamp.cn/challenges/search-and-replace

1 匹配HMTL标记

<script type="text/javascript">

function myReplace(str, before, after) {

if(/^[A-Z]/g.test(before)){

after = after.replace(/^[a-z]/, after[0].toUpperCase());

}

return str.replace(new RegExp(before,"g"),after);

}

console.log(myReplace("A quick brown fox jumped over the lazy dog", "jumped", "leaped"));//A quick brown fox leaped over the lazy dog

console.log(myReplace("He is Sleeping on the couch", "Sleeping", "sitting"));//He is Sitting on the couch

</script>

三 https://freecodecamp.cn/challenges/pig-latin

<script type="text/javascript">

function translatePigLatin(str) {

if(/[aeiou]/.test(str[0])){

str =str+"way";

}else{

str= str.replace(/^([^aeiou]+)([aeiou][a-z]\*)$/i,"$2$1ay");

}

return str;

}

console.log(translatePigLatin("california"));//"aliforniacay"

console.log(translatePigLatin("algorithm"));//"algorithmway"

</script>

四 https://freecodecamp.cn/challenges/spinal-tap-case

<script type="text/javascript">

function spinalCase(str) {

str = str.replace(/([a-z])([A-Z])/g,"$1"+"-"+"$2");

str = str.replace(/[^a-z]+/gi,"-");

return str.toLowerCase();

}

console.log(spinalCase('This Is Spinal Tap'));//"this-is-spinal-tap"。

console.log(spinalCase("thisIsSpinalTap"));//"this-is-spinal-tap"。

console.log(spinalCase("The\_Andy\_Griffith\_Show"));//"the-andy-griffith-show"

console.log(spinalCase("Teletubbies say Eh-oh"));//"teletubbies-say-eh-oh"

</script>

五 https://freecodecamp.cn/challenges/validate-us-telephone-numbers

<script type="text/javascript">

function telephoneCheck(str) {

var reg=/^(\d{6}|(1\s)?(\d{3}[\s-]){2}|(1\s?)?\(\d{3}\)\s?\d{3}-)\d{4}$/;

return reg.test(str);

}

console.log(telephoneCheck("1 555-555-5555"));//true

console.log(telephoneCheck("1 (555) 555-5555"));//true

console.log(telephoneCheck("5555555555"));//true

console.log(telephoneCheck("555-555-5555"));//true

console.log(telephoneCheck("(555)555-5555"));//true

console.log(telephoneCheck("1(555)555-5555"));//true

console.log(telephoneCheck("1 456 789 4444"));//true

console.log(telephoneCheck("1 555)555-5555"));//false

</script>

</pre>

</body>

</html>