

## Corrigé

### Exercice 1

#### Fichier "js/script.js"

```
a = "1";
b = "2";
c = a + b;
document.writeln("Type et valeur des variables:");
document.writeln("-----");
document.writeln("  a: (" +typeof(a)+") "+a);
document.writeln("  b: (" +typeof(b)+") "+b);
document.writeln("  c: (" +typeof(c)+") "+c);

document.writeln("");
a = parseInt(a);
b = parseInt(b);
c = a + b;

document.writeln("Type et valeur des variables:");
document.writeln("-----");
document.writeln("  a: (" +typeof(a)+") "+a);
document.writeln("  b: (" +typeof(b)+") "+b);
document.writeln("  c: (" +typeof(c)+") "+c);
```

#### Fichier "index.html"

```
<!DOCTYPE html>
<html lang="fr">
  <head>
    <meta charset="UTF-8">
    <meta name="language"
content="fr">
    <title>Type des variables</title>
  </head>
  <body>
    <pre>
<script type="text/javascript"
src="js/script.js"></script>
    </pre>
  </body>
</html>
```

### Exercice 2

```
<script type="text/javascript">
  var n=7;
  var f=1,i=1;
  while(i<=n){
    f*=i;
    i++;
  }
  document.write(n+"! = "+f); </script>
```

```
function factorielle(i){
  var f=1,j=1;
  while(j<=i){
    f*=j;
    j++;
  }
  return f;
}

var n=7;
var somme=1;
var str="1! ";
for(var i=2;i<=n;i++){
  somme+=factorielle(i);
  str+=" "+i+"!";
}
document.write(str+ "= "+somme);
```

### Exercice 3

```
<SCRIPT LANGUAGE="JavaScript">
//Q1
var v1 = new Object();
v1.marque="VW" ;
v1.modele="Golf" ;
v1.année = 2018 ;
v1.cylindrée= 2;
//Q2
document.write("le modele de la voiture v1 : "+v1.modele + "<br>");
```

```

document.write("le modele de la voiture v1 : "+v1['modele'] + "<br>");
//Q3
function Voiture (prMarque, prModele, prCyl, prAnnee) {
    this.marque=prMarque;
    this.modele=prModele;
    this. annee =prAnnee;
    this. cylindree = prCyl;
}
//Q4
var v2 = new Voiture("BMW","X1",2013,2);
var v3 = new Voiture("Audi","G5",2015,3);
//Q5
for (i in v2) {
    document.write(i+" = "+v2[i]+" <br>");
}
//Q6
v1.couleur= "blanc";
v2.couleur= "blanc";
v3.couleur= "blanc";

Voiture.prototype.couleur = "rouge";

//Q7
delete v1.cylindrée;

//Q8
Voiture.prototype.affiche = function(){ for (i in this) {
    document.write(i+" = "+this[i]+" <br>");}};

v2.affiche();
</SCRIPT>

```

## **Exercice 4**

```

<FORM NAME="clock_form">
<INPUT TYPE=TEXT NAME="cadran" SIZE=26>
</FORM>
<SCRIPT LANGUAGE="JavaScript">
function TicTac(){
    Date_courante = new Date();
    document.clock_form.cadran.value = " "+Date_courante;
    document.clock_form.cadran.blur();
    setInterval("TicTac()", 1000);
}

TicTac();
</SCRIPT>

```

```

<button onclick="start()">Lancer le décompte</button>
<div id="bip" class="display"></div>
<script>
var counter = 20;
var intervalId = null;
function action() {
    clearInterval(intervalId);
    document.getElementById("bip").innerHTML = "TERMINE!"; }
function bip() {
    document.getElementById("bip").innerHTML = counter + " secondes restantes";
}

```

```
    counter--; }  
function start() {  
    intervalId = setInterval(bip, 1000);  
    setTimeout(action, counter * 1000); }  
</script>
```