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Q5 H14:
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var compter car = function(string, car){
    var cmp = 0;
    for(var i=0; i < string.length; i++) {</pre>
        if(string.charAt(i) == car)
            cmp++;
    }
    return cmp;
};
var tests = function(){
   assert(compter car("Bonjour Monsieur", "o") == 3);
   assert(compter car("Bonjour Monsieur", "z") == 0);
   assert(compter_car("", "o") == 0);
};
tests();
Q2(a) A2013
var nbPair = function(tab){
    var cmp = 0;
    for(var i = 0; i < tab.length; i++) {</pre>
        if(tab[i]%2 == 0)
            cmp++;
    return cmp;
};
print(nbPair([1,2,4,9,6]));
Q3 a A13
var quiz2 = function(t,j){
    for(var i=0; i < t.length; i++)</pre>
        if(i === j)
            return t[j];
    return -1;
};
//fonction simplifiée
var quiz2 s = function(t,j){
    return (j>=0 && j < t.length ? t[j] : -1);
print(quiz2(["a", "b", "c"], 2));
print(quiz2(["a", "b", "c"], 100));
print(quiz2(["a", "b", "c"], "a"));
print(quiz2 s(["a", "b", "c"], 2));
print(quiz2 s(["a", "b", "c"], 100));
print(quiz2_s(["a", "b", "c"], "a"));
Q3 b A13 - réponse : non
var quiz3a = function(a,b){
    if((a === 4) && (b === 5))
      return a+b;
    else {
       if(b === 5) return a +b;
        return (a === 4)?a:b;
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}
};
var quiz3a_e = function(a,b){
    if(a === 4) {
       if(b === 5) return a + b;
       else
        return a;
    return a;
};
print(quiz3a(7,1));//1
print(quiz3a_e(7,1));//7
Q3 c A13 - réponse : non
var quiz4a = function(a,b){
    if(a === b){
       if(a === 4) return true;
      }
    else
       if(a < b)
           return true;
var quiz4b = function(a,b){
    if(a < b)
        return true;
    return (a===4) && (b===4);
};
print(quiz4a(9,1));//no value
print(quiz4b(9,1));// false
Q3 d A13 - non
var quiz5a = function(i){
    var sum = 0;
    do {
      if((i % 2) === 0)
                  i += 2;
            else
                i += 1;
            if(i > 10) i = 0;
            else
                sum +=i;
      }while(i >=1);
    return sum;
};
var quiz5b = function(i){
    var sum = 0;
    if((i % 2) === 1){
            ++i;
        sum += i;
    for( ; i <=10; i += 2)
       sum += i;
    return sum;
};
```

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print(quiz5a(10));//0
print(quiz5b(10));//10
Q6 b A13
var Matrice = function(n, m) {
    this.nb lignes = n;
    this.nb colonnes = m;
    this.tab = Array(n);
    for(var i = 0; i < n; i++) {
        this.tab[i] = Array(m);
      for(var j = 0; j < m; j++)
            this.tab[i][j] = Math.floor(Math.random()*10)+1;
};
Matrice.prototype.printMat = function(){
    for(var i = 0; i < this.nb lignes; i++){</pre>
       var ligne = "";
       for (var j = 0; j < this.nb colonnes; j++)</pre>
           ligne += " "+this.tab[i][j];
    print(ligne);
};
mat1 = new Matrice(3, 4);
mat1.printMat();
Q6 d A13
Matrice.prototype.add = function(mat) {
    var res = new Matrice((this.nb lignes > mat.nb lignes ?
this.nb lignes:mat.nb lignes),
                           (this.nb colonnes > mat.nb colonnes ?
this.nb colonnes : mat.nb colonnes));
    if((this.nb lignes == mat.nb lignes) &&
       (this.nb colonnes == mat.nb colonnes)){
        for(var i = 0; i < this.nb lignes; i++ )</pre>
            for(var j = 0; j < this.nb colonnes; j++)</pre>
                res.tab[i][j] = this.tab[i][j]+mat.tab[i][j];
    }
    else {
        print("On ne peut pas additionner les matrices!");
        for(var i = 0; i < res.nb lignes; i++ )</pre>
            for(var j = 0; j < res.nb colonnes; j++)</pre>
               res.tab[i][j] = 0;
    }
    return res;
mat1 = new Matrice(3, 4);
mat1.printMat();
//print("----");
//print(mat1.column(1));
print("+");
var mat2 = new Matrice(3, 4);
mat2.printMat();
print("----");
var res = mat1.add(mat2);
res.printMat();
```