Link: https://github.com/generation-org/javascript/tree/master/1.1.3

Ejercicio 1

1. `( true && true );   // true`
2. `( false && true );  // false`
3. `( true && false );  // false`
4. `( false && false ); // false`
5. `( true || true );   // true`
6. `( false || true );  // true`
7. `( true || false );  // true`
8. `( false || false ); // false`
9. `!( false || true ); //false`
10. `!( false && true ); //true`
11. `( !false && true ); //true`
12. `( !true && true ); //false`
13. `( !false || false ); //true`

Ejercicio 2

```
/**
 * Exercise #1
 * Create a function that takes in one number
 * and checks if the number is greater than  10. Print
out to the console true if it is greater and false
otherwise.
 */

function comparison(num){
  if (num > 10){
    console.log(true);
  }else{
    console.log(false);
  }
}
num = prompt("Insert number");
comparison(num);
```

```
38    function divisor(num){
39        if (num % 4  == 0 || num % 9 == 0){
40        console.log(true);
41    }else{
42        console.log(false);
43    }
44    }
45
46    div = prompt("Insert number");
47    divisor(div);
48
```

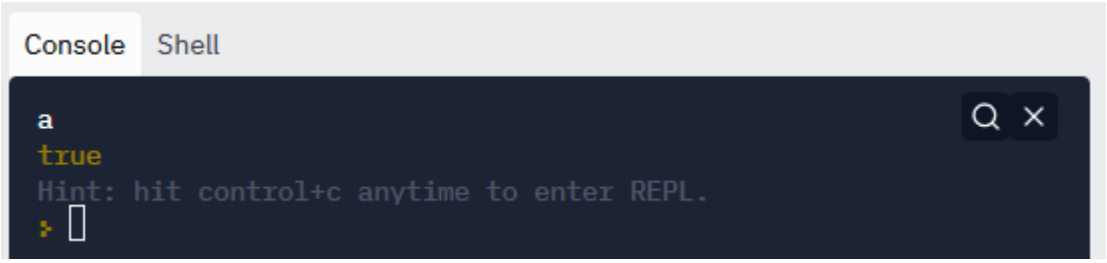
Console Shell

```
Insert number> 11
true
Insert number> 7
false
Hint: hit control+c anytime to enter REPL.
>
```

Ejercicio 3

```
 8  /**
 9   * Exercise 1:
10   * We want to check if a string is empty.
11   * If a string is not empty, we want to print
12   * out the first character of that string.
13   * If a string is empty, print out a text saying
14   * "This string is empty"
15   */
16  function checkEmptyString(str) {
17    if (str != ""){
18      console.log(str.charAt(0))
19    }else{
20      console.log("This string is empty.")
21    }
22  }
23
24  // Example test, should return a
25  checkEmptyString("apple");
26
```

```
/**
 * Exercise 2:
 * We want to compare two strings and check if
 * they are the same - case insensitive.
 * Return a boolean - true if the two strings are
 * the same, and false if they are not
 */
function checkTwoStringsSame(str1, str2) {
  if (str1.toLowerCase() == str2.toLowerCase()){
    console.log(true)
  }else{
    console.log(false)
  }
}

// Example test, should return true
checkTwoStringsSame("String1", "string1");
```



Ejercicio 4

```
6   /**
7    *
8    *  Create a function that takes in 2 inputs (using
     prompt)
9    *  and goes through the 5 arithmetic operators (+, -,
     /, *,
10   *  %). The expected output on the console is:
11   * `The sum is x` -> x is the calculated sum
12   * `The subtraction is y` -> y is the calculated
     difference
13   * `The multiplication is z` -> z is the calculated
     multiplication
14   * `The division is w` -> w is the calculated division
15   * `The remainder is q` -> q is the calculated remainder
16   */
17
```

```
18  var numero1=parseInt(prompt("Ingrese el primer numero:"
    ));
19  var numero2=parseInt(prompt("Ingrese el segundo
    numero:" ));
20  function mathematicOperations(){
21      var1=numero1+numero2;
22      var2=numero1-numero2;
23      var3=numero1*numero2;
24      var4=numero1/numero2
25      var5=numero1&numero2
26      alert("la suma es: " +var1+ "\nla resta es: " +var2
        + "\nla multiplicacion es: "+var3+  "\nla division
        es: "+var4+ "\ny el resto es: "+var5);//el
        resultado lo esta pidiendo en la consola
27  }
28  mathematicOperations();
29  console.log("numero 1: "+numero1+ "\nnumero 2: "
    +numero2)
30  console.log("la suma es: " +var1+ "\nla resta es: "
    +var2+ "\nla multiplicacion es: "+var3+  "\nla division
    es: "+var4+ "\ny el resto es: "+var5);
```

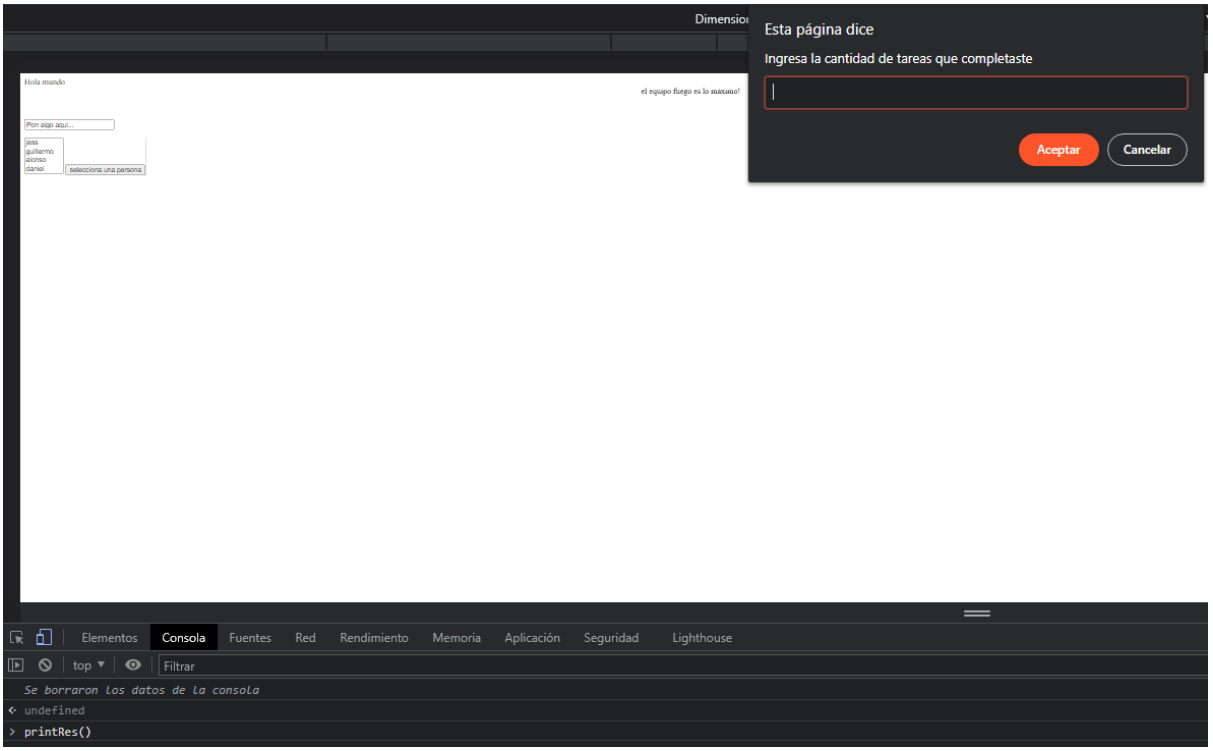
Console Shell

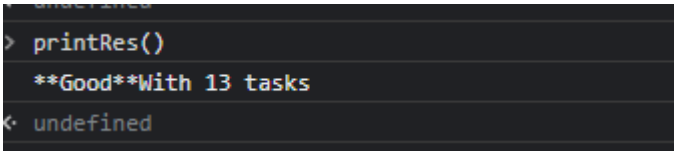
```
Ingrese el primer numero:> 1
Ingrese el segundo numero:> 1
la suma es: 2
la resta es: 0
la multiplicacion es: 1
la division es: 1
y el resto es: 1
numero 1: 1
numero 2: 1
la suma es: 2
la resta es: 0
la multiplicacion es: 1
la division es: 1
y el resto es: 1
Hint: hit control+c anytime to enter REPL.
>
```

Ejercicio 5

Parte 1:

```
function printRes(){
    console.log(tasks());
}



function tasks(){
    var tasks = parseInt(prompt("Ingresa la cantidad de tareas que completaste"));
    if(tasks >= 0 && tasks <= 15){
        if(tasks < 16){
            if(tasks < 15){
                if(tasks < 10){
                    if(tasks < 7){
                        return "**Failed**" + "With " + tasks + " tasks";
                    }

                    return "**Insufficient" + "With " + tasks + " tasks";
                }

                return "**Good**" + "With " + tasks + " tasks";
            }

            return "**Excelent**" + "With " + tasks + " tasks";
        }
    }else{
        return "**Error**";
    }
}
```


Esta página dice
Ingresa la cantidad de tareas que completaste
Aceptar
Cancelar
Hola mundo
el equipo fuego es lo maximo!
Pon algo aquí...
jose
guillermo
alonso
daniel
selecciona una persona
Elementos
Consola
Fuentes
Red
Rendimiento
Memoria
Aplicación
Seguridad
Lighthouse
top
Filtrar
Se borraron los datos de la consola
undefined
printRes()


printRes()
GoodWith 13 tasks
undefined

Parte 2:

```
//El Usario debe de ingresar 5 numeros
function mayor(val1,val2,val3,val4,val5) {
    val1=parseInt(prompt(`value1`))
    val2=parseInt(prompt(`value2`))
    val3=parseInt(prompt(`value3`))
    val4=parseInt(prompt(`value4`))
    val5=parseInt(prompt(`value5`))
    let aux=val5
    if (aux<val1) {
        aux=val1
    }
    if (aux<val2) {
        aux=val2
    }
    if (aux<val3) {
        aux=val3
    }
    if (aux<val4) {
        aux=val4
    }
    if (aux<val4) {
        aux=val4
    }
    alert(aux)
}
```

Parte 3:

```
/*Tenemos 3 artículos y sabemos el precio de cada uno. Sin embargo, solo podemos comprar los dos artículos menos
costosos.Escriba un algoritmo que tome tres entradas de usuario y envíe los dos precios más pequeños a la consola.*/
function markert(val1,val2,val3) {
    val1=parseInt(prompt(`value1`))
    val2=parseInt(prompt(`value2`))
    val3=parseInt(prompt(`value3`))
    let aux=val3
    if (aux>val1) {aux=val1}
    if (aux>val2) {aux=val2}
    if (aux>val3) {aux=val3}
    let aux2=val1+1
    if ((aux2>val1)&&(aux<val1)) {aux2=val1}
    if ((aux2>val2)&&(aux<val2)) {aux2=val2}
    if ((aux2>val3)&&(aux<val3)) {aux2=val3}
    console.log(`${aux} ${aux2}`)}

markert(1,2,3)
markert(2,3,1)
markert(3,2,1)
```