

SENA

MANUAL DE DIAGRAMA DE FLUJOS Y ALGORITMOS

BRAYAN ESTIVEN CARVAJAL PADILLA

Análisis y Desarrollo de Software

Ficha: 2899747



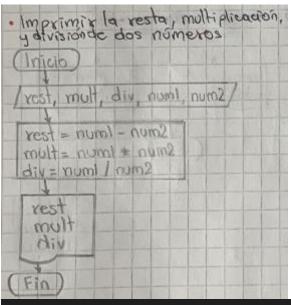


1.



```
<!DOCTYPE html>
· Imprimix la suma de dos
                                          <html lang="en">
 numeros
                                             <meta charset="UTF-8">
   nicio
                                             <meta name="viewport" content="width=device-width, initial-scale=1.0">
                                             <title>Suma dos numeros</title>
  sum, numl, num2
                                          </head>
                                             <script>
 sum = num1 + num2
                                                let num1=2, num2=3, suma;
                                                suma=num1+num2
                                                console.log("La suma de los dos números es "+suma);
  SUM
                                             </script>
                                          </body>
                                         K [0
                                                             Console
                                                   Elements
                                                                       Source
                                         La suma de los dos números es 5
                                          >
```

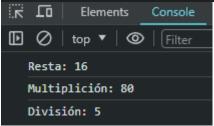




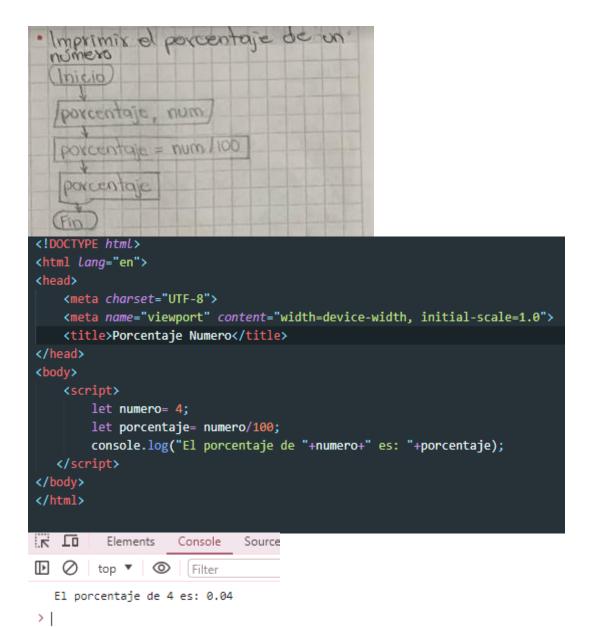
```
<!DOCTYPE html>
<html lang="en">
 <meta charset="UTF-8">

...<meta name="viewport" content="width=device-width, initial-scale=1.0">

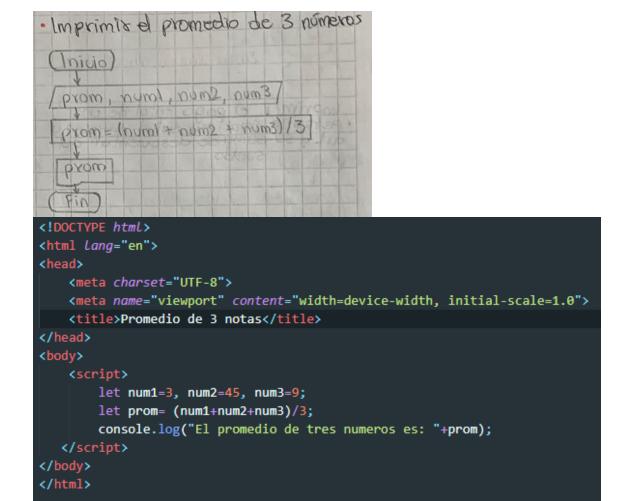
  ...<title>Operaciones</title>
</head>
  ··<script>
  let numeroUno= 20;
        let numeroDos= 4;
     let resta=numeroUno - numeroDos;
        let multiplicacion=numeroUno * numeroDos;
        let division=numeroUno / numeroDos;
        console.log("Resta: "+resta+"\n");
        console.log("Multiplición: "+multiplicacion+"\n");
        console.log("División: "+division+"\n");
   </script>
</body>
</html>
```

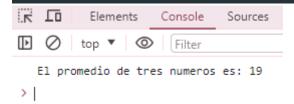














```
Imprimix el percentaje de 3 notas, notal.

Iterne 30%, nota2 30% y nota3 40% y
la sumatorna de los porcentajes

(Inicio)

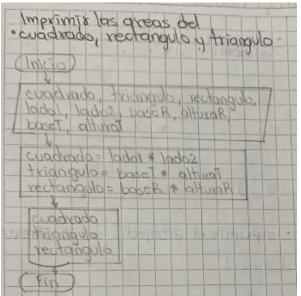
Porcent I, porcent 2 num num2
num3, suma, nota1, nota2, nota3

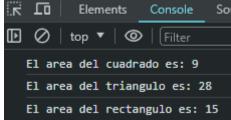
Porcent 1 = 30
porcent 2 = 40
nota1 = (num + porcent 1)/100
nota2 = (num2 * porcent 1)/100
suma = nota1 + nota2 + nota3

(Fin)
```

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Porcentaje de 3 notas</title>
</head>
      let num1=3, num2=4, num3=5, porcent1=30, porcent2=40, nota1, nota2, nota3, suma;
    nota1=(num1*porcent1)/100
   nota2=(num2*porcent1)/100
    nota3=(num3*porcent2)/100
   suma=nota1+nota2+nota3
   console.log("La nota 1 es: "+nota1)
  console.log("La nota 2 es: "+nota2)
  console.log("La nota 3 es: "+nota3)
 console.log("La sumatoria de las notas es : "+suma)
   </script>
K [0
        Elements
                                 Sources
La nota 1 es: 0.9
   La nota 2 es: 1.2
   La nota 3 es: 2
   La sumatoria de las notas es : 4.1
```

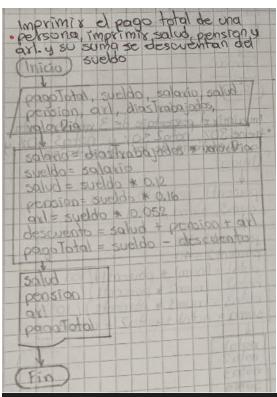








8.

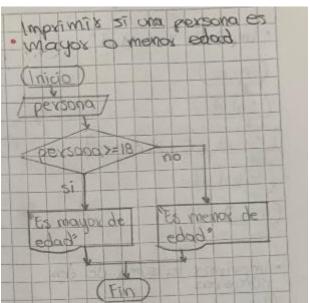


La salud es: 30000 La pension es: 40000 La arl es: 13000

El pago total es: 167000

```
<!DOCTYPE html>
<html·lang="en">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <<title>Pago total</title>
       · let pagoTotal, sueldo, salario, salud, pension, arl, diasTrabajados=5, valorDia=50000
        salario=diasTrabajados*valorDia
        sueldo=salario
        salud=sueldo*0.12
        pension=sueldo*0.16
         arl=sueldo*0.052
       descuento=salud+pension+arl
       pagoTotal=sueldo-descuento
       console.log("La salud es: "+salud)
console.log("La pension es: "+pension)
console.log("La arl es: "+arl)
        console.log("El pago total es: "+pagoTotal)
</html>
K [0 |
              Elements
                            Console
```

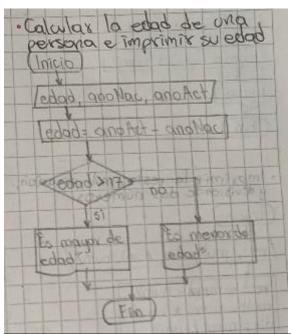


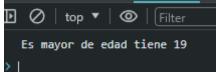


```
<!DOCTYPE:html>
<html lang="en">

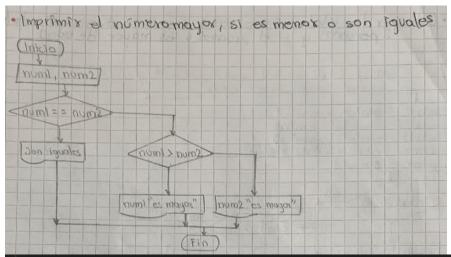
...<meta.charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Edad Mayor o Menor</title>
   <script>
   let persona=19
       if(persona>=18){
      console.log("Es mayor de edad tiene "+persona+" años");
      else{
      console.log("Es menor de edad tiene "+persona+" años");
   </script>
Elements
                  Console
                          Soul
Es mayor de edad tiene 19 años
```



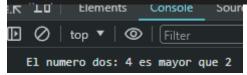




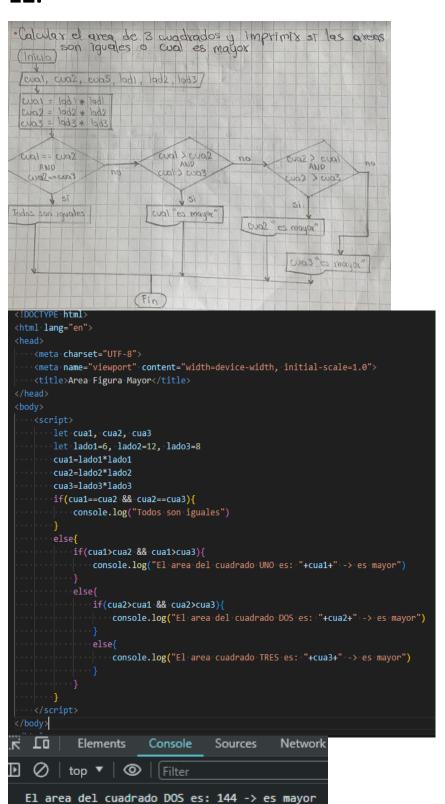




```
...<title>Numero Igual, Mayor o Menor</title>
</head>
<body>
...<script>
...
let num1=2;
...
let num2=5;
...
if(num1==num2){
...
console.log("Son iguales");
...
}
...
else{
...
if(num1>num2){
...
else{
...
if(num1>num2){
...
console.log("El numero uno: "+num1+" es mayor que "+num2);
...
}else{
...
console.log("El numero dos: "+num2+" es mayor que "+num1);
...
}
...
</script>
```

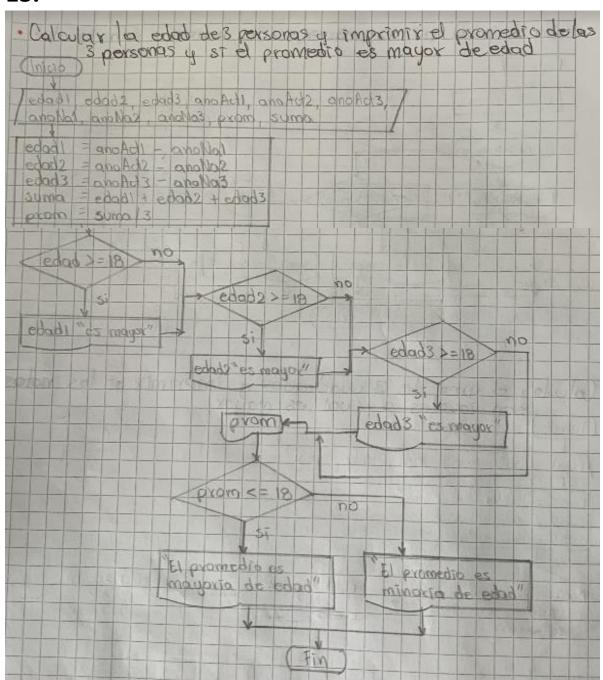






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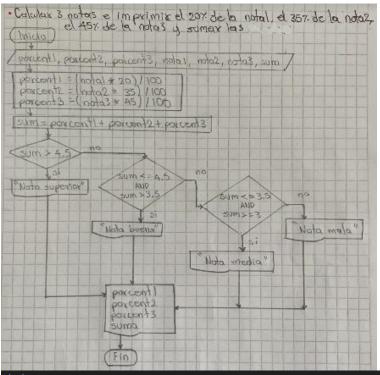
Instructor: AndresMC Ficha: 2899747





```
<!DOCTYPE html>
<html lang="en">
        <meta charset="UTF-8">
          <meta name="viewport" content="width=device-width, initial-scale=1.0")</pre>
         <title>Imprimr Edad, Promedio edades y Promedio Mayor de edad</title>
         <script>
                 let edad1, edad2, edad3, suma, prom
                   let anoAct1 = 2024, anoAct2 = 2024, anoAct3 = 2024
                   let anoNa1 = 2005, anoNa2 = 2006, anoNa3 = 2007
                   edad1 = anoAct1 - anoNa1
                   edad2 = anoAct2 - anoNa2
                    edad3 = anoAct3 - anoNa3
                    suma = edad1 + edad2 + edad3
                    prom = suma / 3
                    if (edad1 >= 18) {
                              console.log("La primera edad es: " + edad1 + " -> es mayor")
                    } else {
                    console.log("La primera edad es: " + edad1 + " -> es menor")
                    if (edad2 >= 18) {
                             console.log("La segunda edad es: " + edad2 + " -> es mayor")
                             console.log("La segunda edad es: " + edad2 + " -> es menor")
                   if (edad3 >= 18) {
                            console.log("La tercera edad es : " + edad3 + " -> es mayor")
                    } else {
                            console.log("La tercera edad es : " + edad3 + " -> es menor")
                   console.log("El promedio de edad es: " + prom)
                   if (prom < 18) {
                           console.log("El promedio es minoria de edad")
                   } else {
                          console.log("El promedio es mayoria de edad")
       </script>
</body>
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                                                                                                                                        Console
                                                                                                                                                                 Sources
                                                                                                                                                                                          N
                                                                                   Itop ▼ | Itop ▼ |
                                                                                           La primera edad es: 19 -> es mayor
                                                                                          La segunda edad es: 18 -> es mayor
                                                                                          La tercera edad es : 17 -> es menor
                                                                                          El promedio de edad es: 18
                                                                                          El promedio es mayoria de edad
```



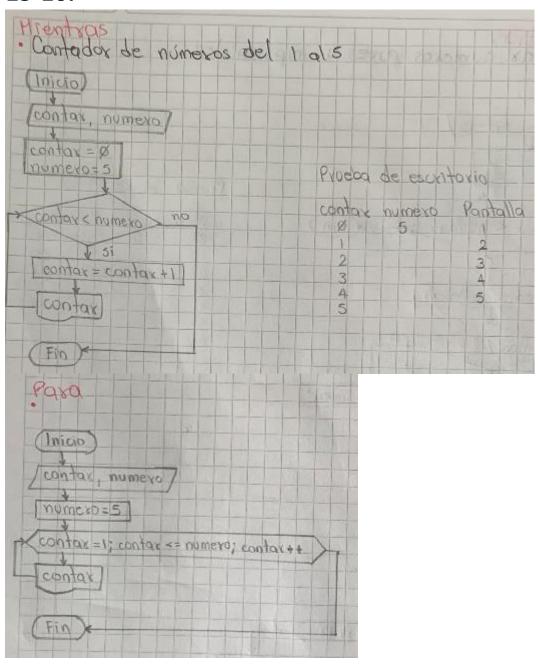


```
let porcent1, porcent2, porcent3, nota1 = 3.0, nota2 = 5.0, nota3 = 2.3, sum
porcent1 = (nota1 * 20) / 100
porcent2 = (nota2 * 35) / 100
porcent3 = (nota3 * 45) / 100
sum = porcent1 + porcent2 + porcent3
if (sum > 4.5) {
   console.log("Nota superior")
   if (sum <= 4.5 && sum > 3.5) {
       console.log("Nota buena")
      if (sum <= 3.5 && sum >= 3) {
          console.log("Nota media")
           console.log("Nota mala")
   console.log("El 20% de la nota1 es: " + porcent1)
   console.log("El 35% de la nota2 es: " + porcent2)
   console.log("El 45% de la nota3 es: " + porcent3)
                                                            Elements Console
   console.log("Suma de los porcentajes: " + sum)
                                                            Nota media
                                                               El 20% de la notal es: 0.6
                                                               El 35% de la nota2 es: 1.75
                                                               El 45% de la nota3 es: 1.035
                                                               Suma de los porcentajes: 3.385
```



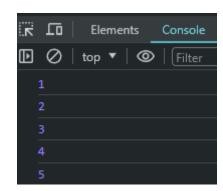


15-16.





Mientras



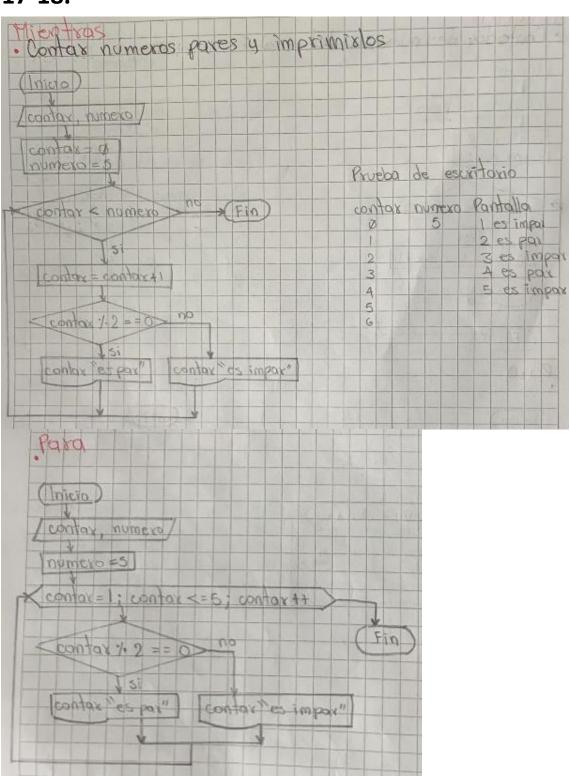
Para



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17-18.





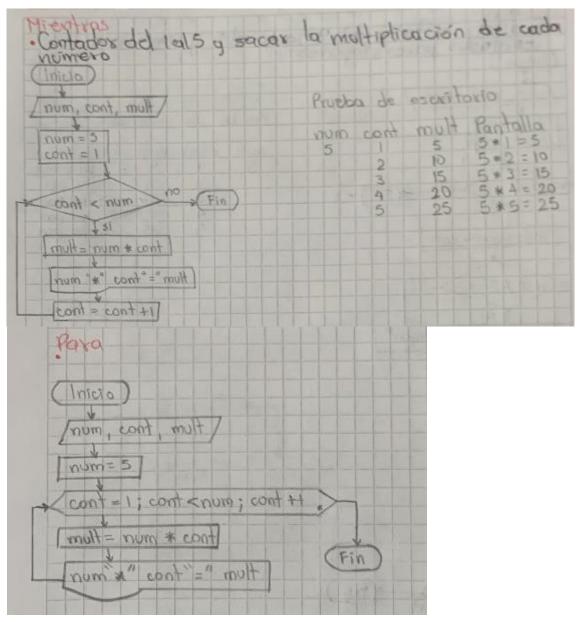
Mientras

Para

```
<meta name="viewport" content="width=device-width,</pre>
<title>Contador del 1 al 5</title>
</head>
<script>
let contar;
let numero=5;
for (contar=1; contar<=numero; contar++){</pre>
 if(contar%2==0){
    console.log(contar+" es par")
 else{
    console.log(contar+" es impar")
                                Elements Console
</script>
</body>
                                 Itop ▼ | Itop ▼ | Filter
</html>
                                   1 es impar
                                   2 es par
                                   3 es impar
                                   4 es par
                                   5 es impar
```



19-20.





Mientras

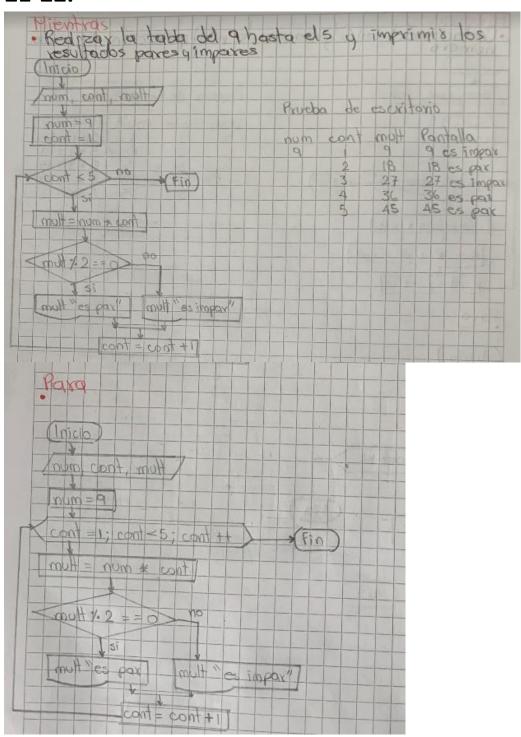
Para

```
Elements Consolo

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```



21-22.





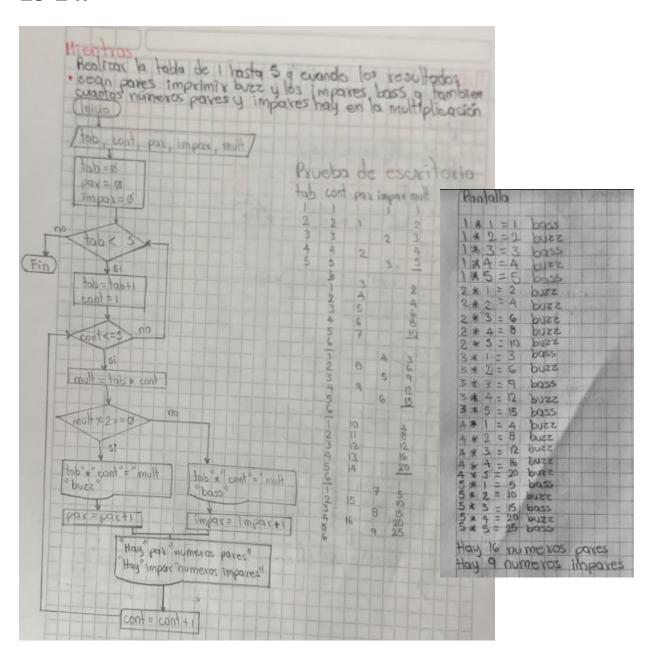
Mientras

Para

```
<title>Pares e Impares Tabla del 9 hasta 5</title>
</head>
<body>
<script>
let num=9;
let cont;
let mult;
for (cont=1; cont<=5; cont++){
   mult=num*cont
   if(mult%2==0){
                                           Elements Console
   console.log(mult+" es par")
                                           9 es impar
   else{
   console.log(mult+" es impar")
                                            18 es par
                                             27 es impar
                                             36 es par
  </script>
                                             45 es impar
```



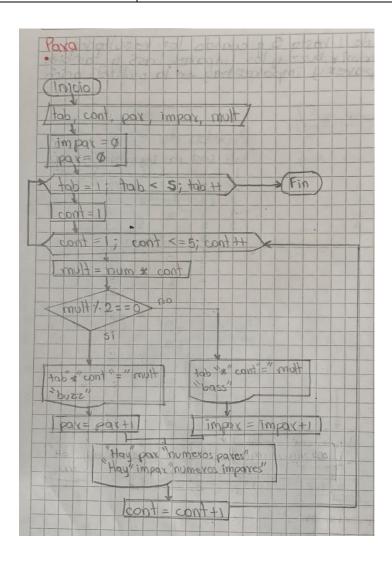
23-24.





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Mientras

```
<title>Tabla del 1 al 5, Pares e Impares</title>
<script>
let mult, cont
  let tab = 0
  let par = 0
let impar = 0
  while (tab < 5) {
  tab = tab + 1
      cont = 1
      while (cont <= 5) {</pre>
      mult = tab * cont
      if (mult % 2 == 0) {
            console.log(tab + " * * " + cont + " = " + mult + " buzz");
      ----par---par-+-1
      console.log(tab + " * " + cont + " = " + mult + " bass");
             impar = impar + 1
      } cont = cont + 1
   console.log("Hay " + par + " numeros pares");
    console.log("Hay " + impar + " numeros impares");
 </script>
```



Para



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