



Tecnólogo en Análisis y Desarrollo de
Software

Andrés MC Ficha 2899747

TECNÓLOGO ANÁLISIS Y DESARROLLO DE SOFTWARE

FICHA:2899747

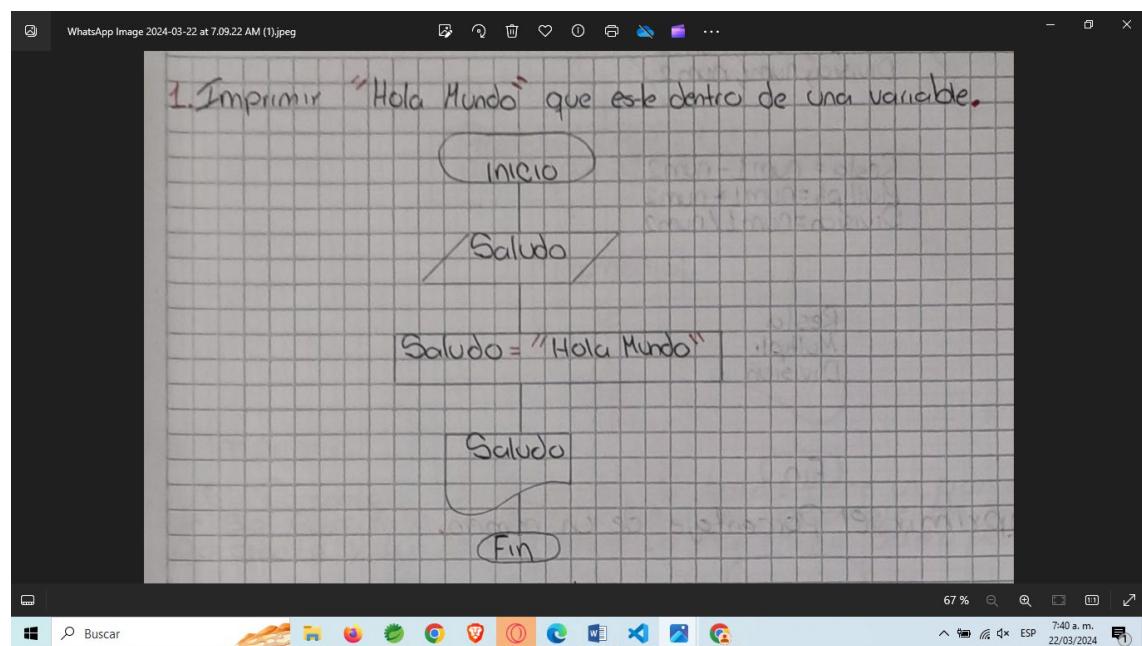
ALEXANDER DIAZ CABRERA



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Ejercicio 1: imprimir “Hola Mundo” que este dentro de una variable.





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A screenshot of a Windows desktop environment. At the top, there is a taskbar with several icons. Below it, a file explorer window shows multiple tabs for 'index.html' files across different folders. The main area of the screen displays a code editor with the following content:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 1</title>
  </head>
  <body>
    <script>
      let saludar;
      saludar = "Hola Mundo!";
      console.log(saludar);
    </script>
  </body>
</html>
```

The code editor has a status bar at the bottom indicating 'Lin. 18, col. 8 Espacios: 4 UTF-8 CRLF HTML'. Below the code editor is a browser window titled 'Ejercicio 1' showing the URL 'file:///D:/js2899747/TecnicoADSO/JavaScript/Inicio/Ejercicio1/index.html'. The browser interface includes a menu bar, toolbars, and a status bar at the bottom.

A screenshot of the developer tools in a browser, specifically focusing on the Network tab. The tab bar includes 'Inspector', 'Consola', 'Depurador', 'Red', 'Editor de estilos', 'Rendimiento', 'Memoria', 'Almacenamiento', 'Accesibilidad', 'Aplicación', 'Erros', 'Advertencias', 'Registros', 'Información', 'Depurar', 'CSS', 'XHR', and 'Peticiones'. A message 'Filtrar salida' is visible above the list of network requests. One request for 'index.html' is shown with the status 'index.html:14:17'.

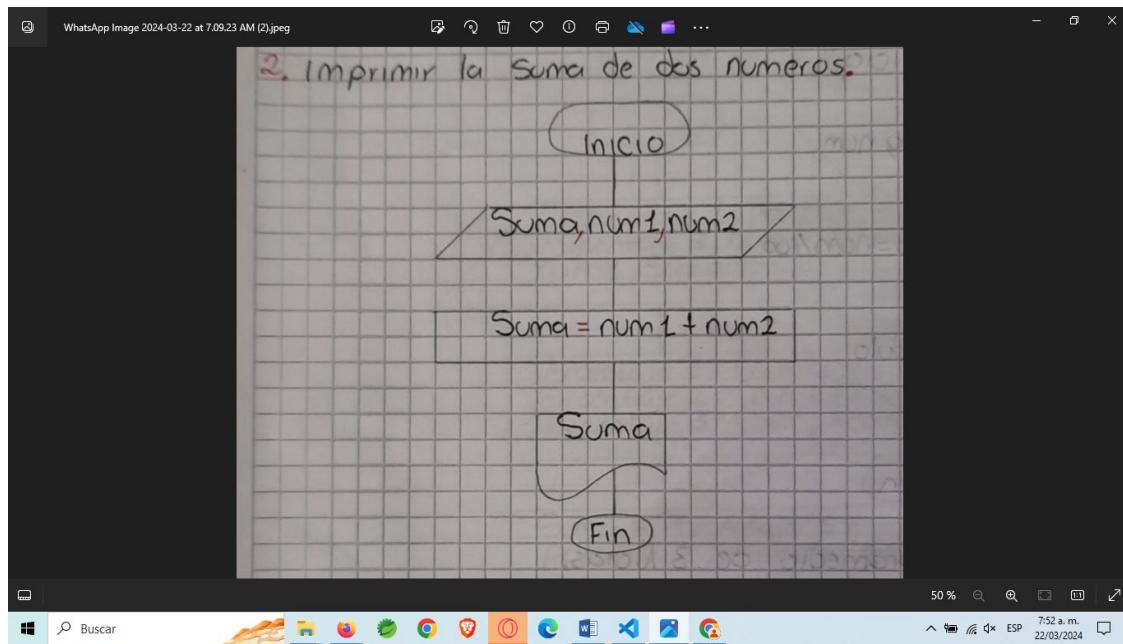


Ejercicio 2: Imprimir la suma de dos números.



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```
D:\js2899747 > TecnicoADSO > JavaScript > Inicio > Ejercicio2 > index.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Ejercicio 2</title>
8 </head>
9
10 <body>
11   <script>
12     let suma, num1, num2;
13     num1 = 5, num2 = 2;
14     suma = num1 + num2;
15     console.log(suma);
16   </script>
17 </body>
18
19 </html>
```

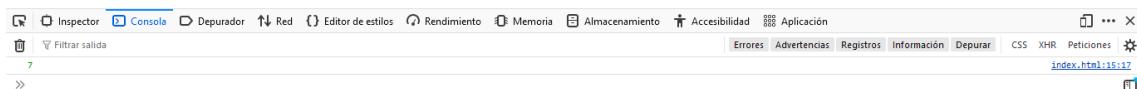
The code editor shows a single file named 'index.html' with the following content:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Ejercicio 2</title>
</head>
<body>
<script>
let suma, num1, num2;
num1 = 5, num2 = 2;
suma = num1 + num2;
console.log(suma);
</script>
</body>
</html>
```

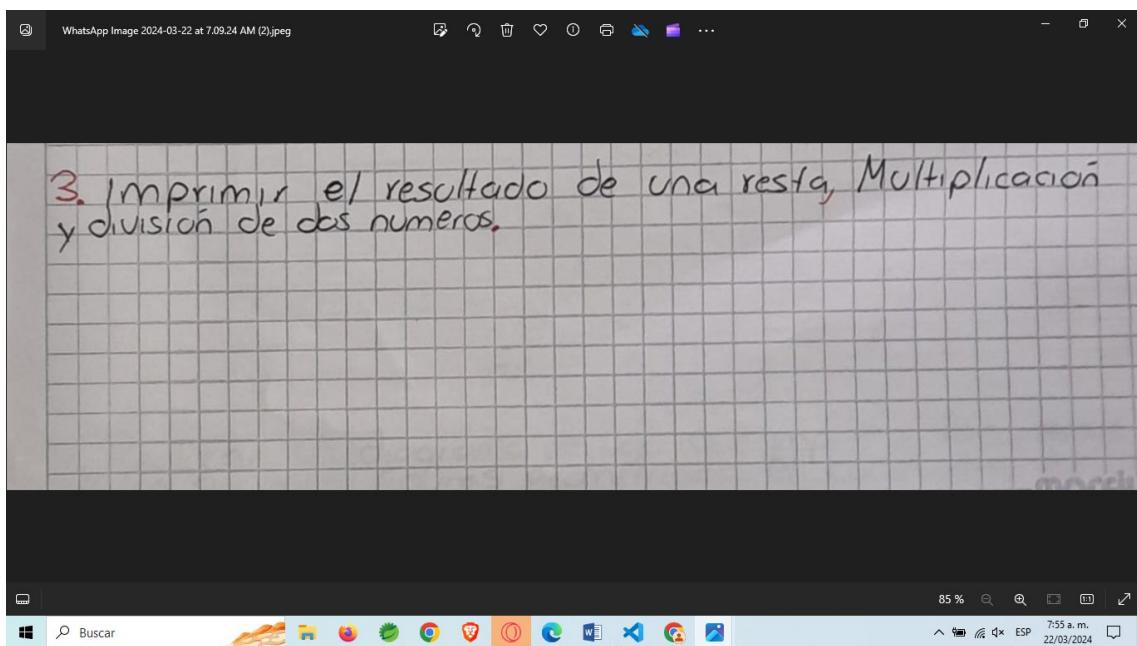


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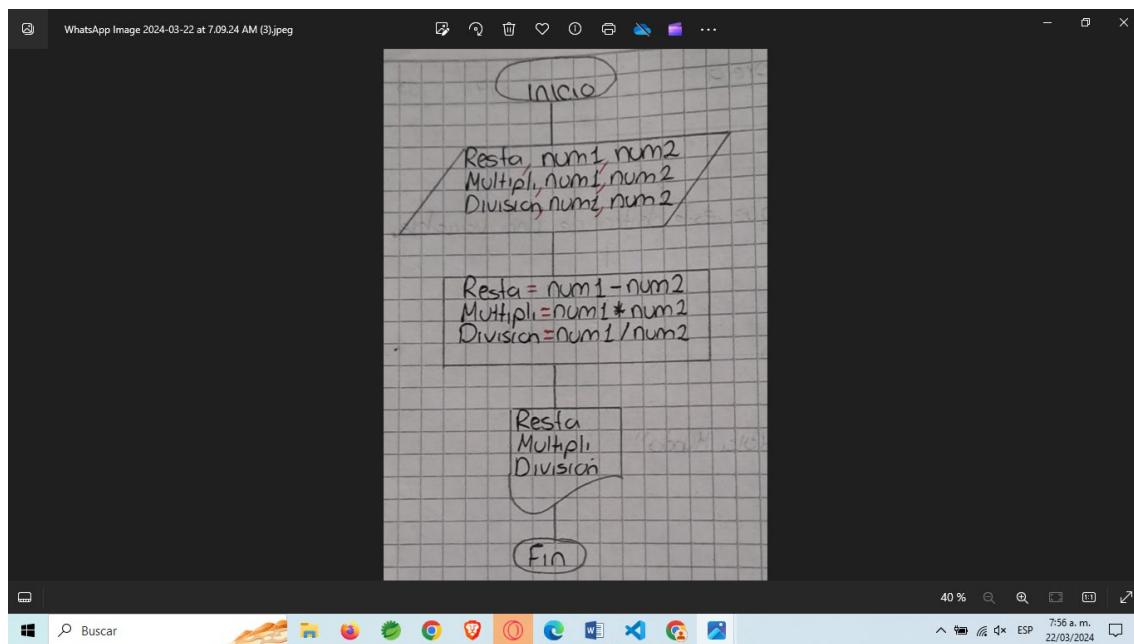
Ejercicio 3: Imprimir el resultado de una resta, multiplicación y división de dos números.





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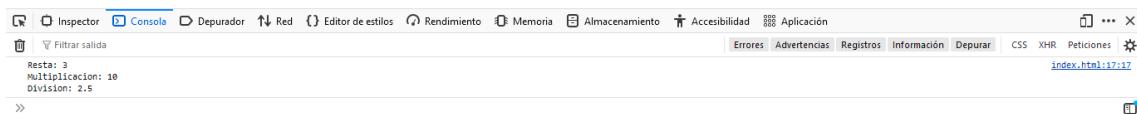


```
D:\js2899747 > TecnikoADSO > JavaScript > Inicio > Ejercicio3 > index.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3
4    <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Ejercicio 3</title>
8
9    <body>
10      <script>
11        let resta, mult, division, num1, num2;
12        num1 = 5, num2 = 2;
13        resta = num1 - num2;
14        mult = num1 * num2;
15        division = num1 / num2;
16        console.log("Resta: " + resta + "\nMultiplicacion: " + mult + "\nDivision: " + division);
17      </script>
18
19    </body>
20
21  </html>
```

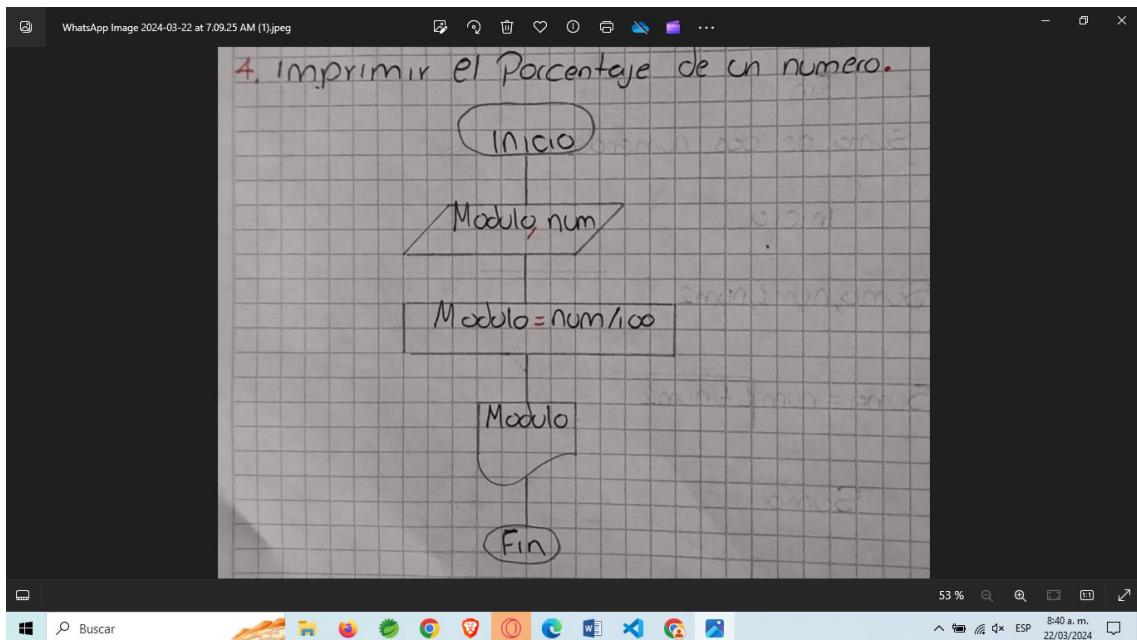


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Ejercicio 4: Imprimir el porcentaje de un numero.





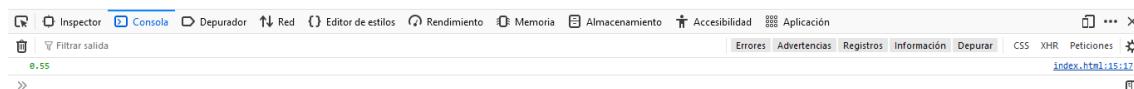
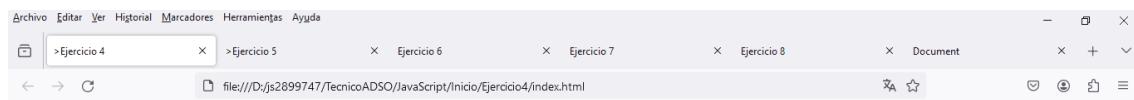
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A screenshot of a Windows desktop environment. In the center is a code editor window titled 'index.html'. The code is as follows:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 4</title>
</head>
<body>
    <script>
        let num, result;
        num = 55;
        result = num / 100;
        console.log(result);
    </script>
</body>
</html>
```

The status bar at the bottom of the code editor shows 'Lín. 7, col. 24 Espacios: 4 UTR-8 CRLF HTML'. Below the code editor is a taskbar with several icons, including File Explorer, Edge, and Google Chrome. The system tray shows the date and time as '22/03/2024 8:40 a.m.'

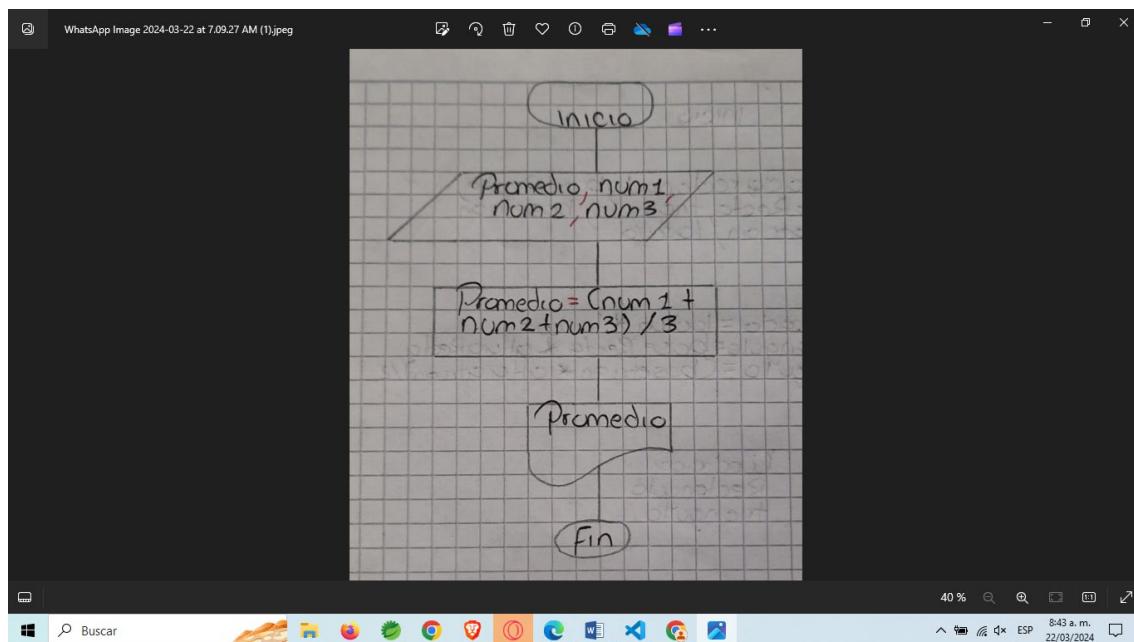


Ejercicio 5: Imprimir el promedio de 3 notas.



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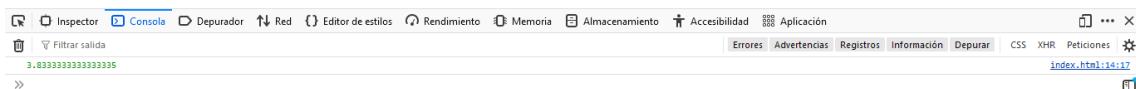


```
index.html D:\Ejercicio5 x index.html D:\Ejercicio6 index.html D:\Ejercicio7 index.html D:\Ejercicio8
D:\js2899747 > TécnicoADSO > JavaScript > Inicio > Ejercicio5 > index.html > html > body
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Ejercicio 5</title>
8 </head>
9
10 <body>
11   <script>
12     let nota1=3,nota2=4,nota3=4.5;
13     prom = (nota1 + nota2 + nota3) / 3;
14     console.log(prom);
15   </script>
16 </body>
17
18 </html>
```



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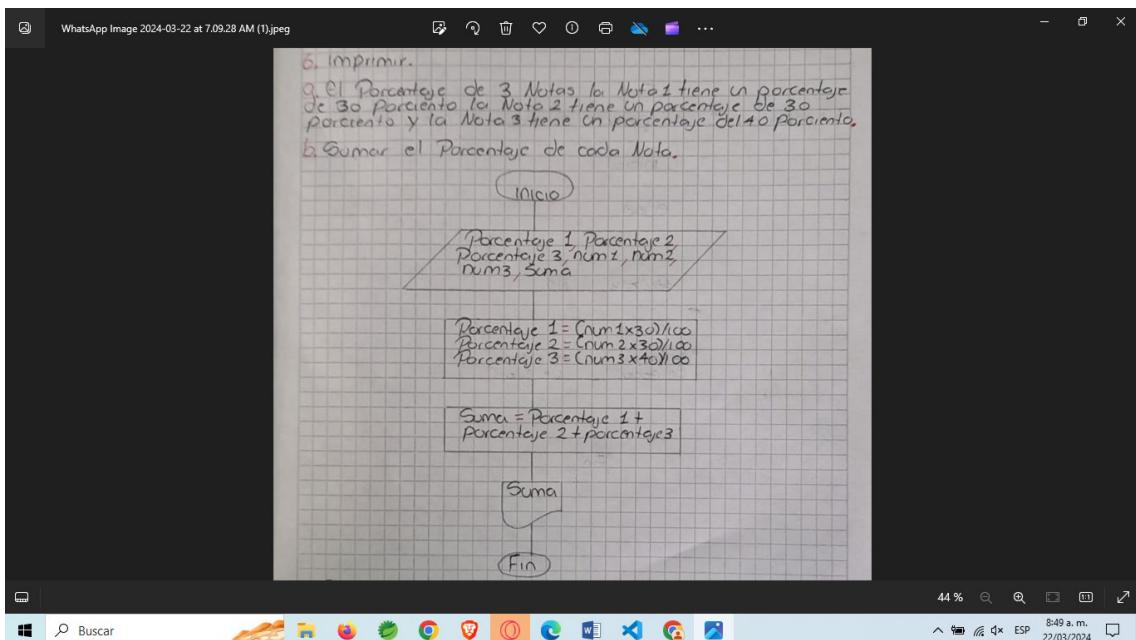
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Ejercicio 6: Imprimir.

A: el porcentaje de 3 notas la nota1 tiene un porcentaje de 30 porciento la nota2 tiene un porcentaje de 30 porciento y la nota3 tiene un porcentaje del 40 porciento.

B:sumar el porcentaje de cada nota.

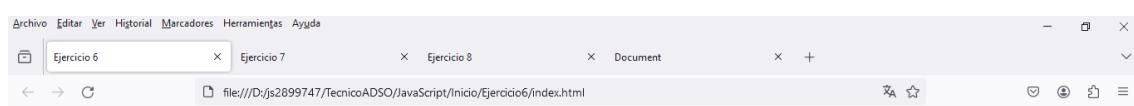




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```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 6</title>
</head>
<body>
    <script>
        let nota1, porNota1, nota2, porNota2, nota3, porNota3, suma;
        nota1=5;
        nota2=3;
        nota3=4;
        porNota1 = nota1 * 0.3;
        porNota2 = nota2 * 0.3;
        porNota3 = nota3 * 0.4;
        console.log("Porcentaje Nota 1: " + porNota1 + "Porcentaje Nota 2: " + porNota2 + "Porcentaje Nota 3: " + porNota3);
        suma = porNota1 + porNota2 + porNota3;
        console.log("Suma: " + suma);
    </script>
</body>
</html>
```



Archivo Editar Ver Historial Marcadores Herramientas Ayuda

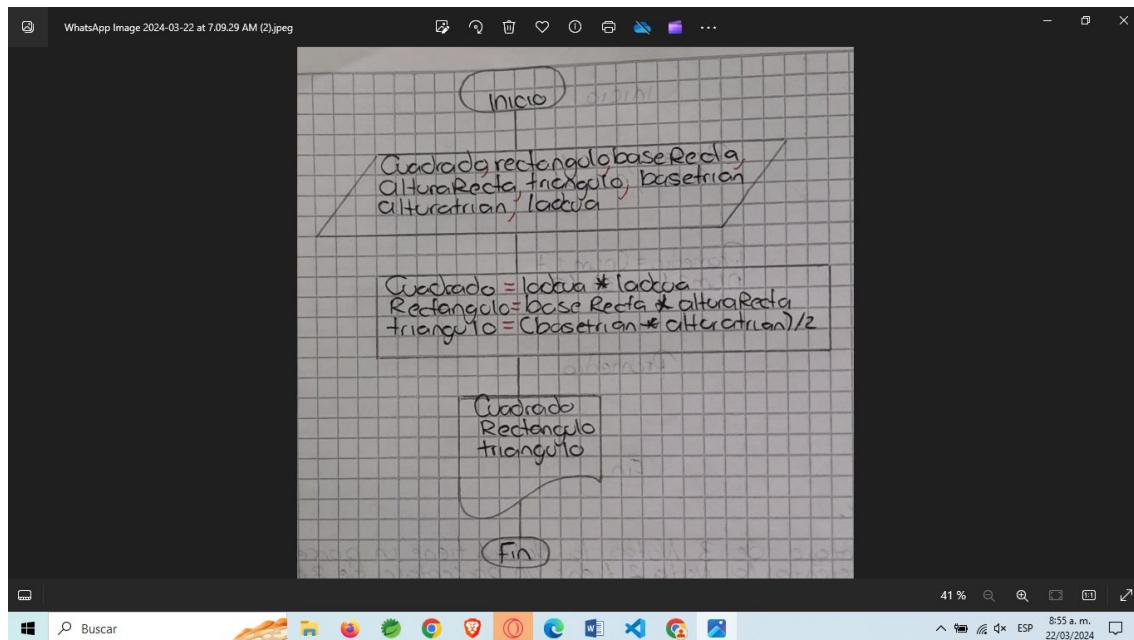


Ejercicio 7: Realizar un diagrama de flujo que imprima las áreas de las siguientes figuras geométricas; el cuadrado, el rectángulo y el triángulo.



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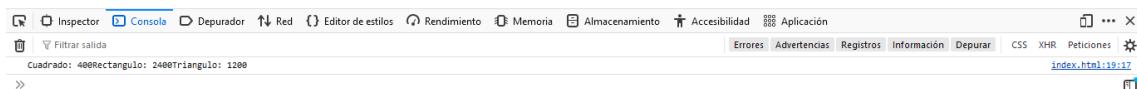
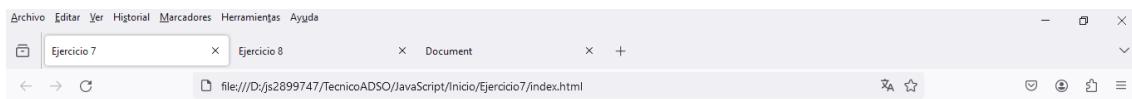


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 7</title>
</head>
<body>
    <script>
        let cuad, rect, tria, lado, base, altura;
        lado=20;
        base=0;
        altura=40;
        cuad = lado * lado;
        rect = base * altura;
        tria = base * altura / 2;
        console.log("Cuadrado: " + cuad + 'Rectangulo: ' + rect + 'Triangulo: ' + tria);
    </script>
</body>
</html>
```

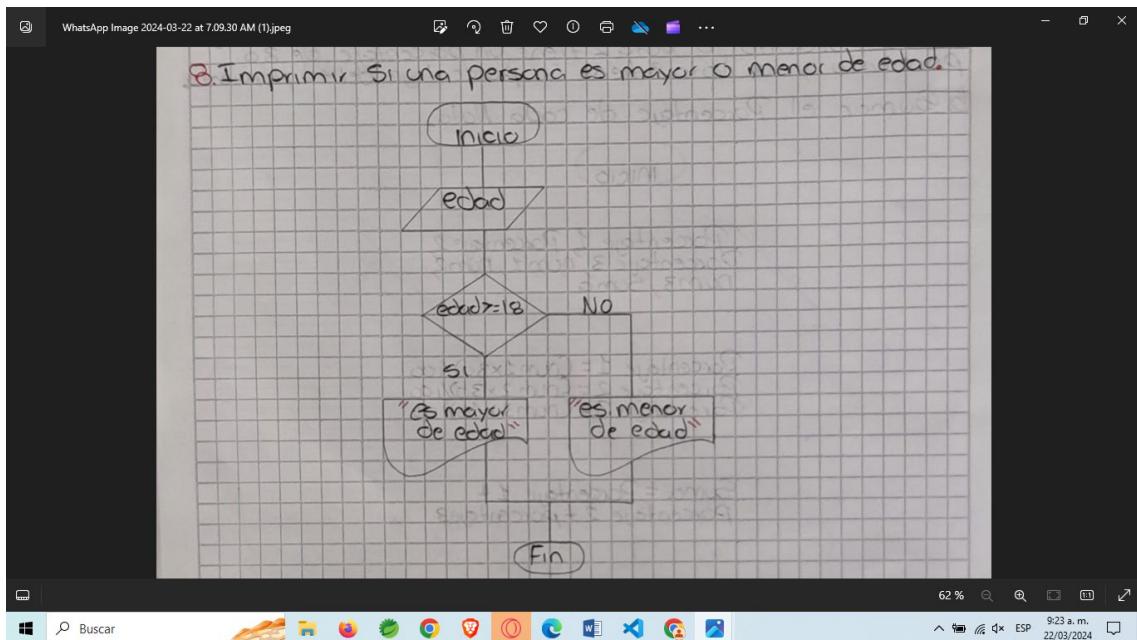


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Ejercicio 8: Imprimir si una persona es mayor o menor de edad.



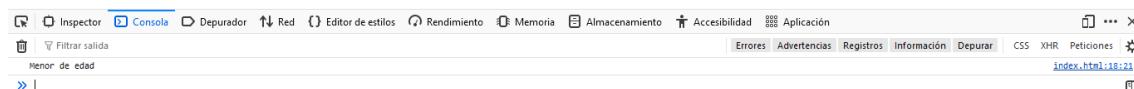


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The screenshot shows a code editor window with the file 'index.html' open. The code contains a simple JavaScript script that prompts the user for their age, checks if it's 18 or older, and logs the result ('Mayor de edad' or 'Menor de edad') to the console. The code editor interface includes a sidebar with icons, a search bar at the top, and various toolbars below.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 8</title>
</head>
<body>
    <script>
        let edad;
        //edad = prompt('Ingrese su edad:');
        edad = 17;
        if (edad >= 18) {
            console.log('Mayor de edad');
        } else {
            console.log('Menor de edad');
        }
    </script>
</body>
</html>
```

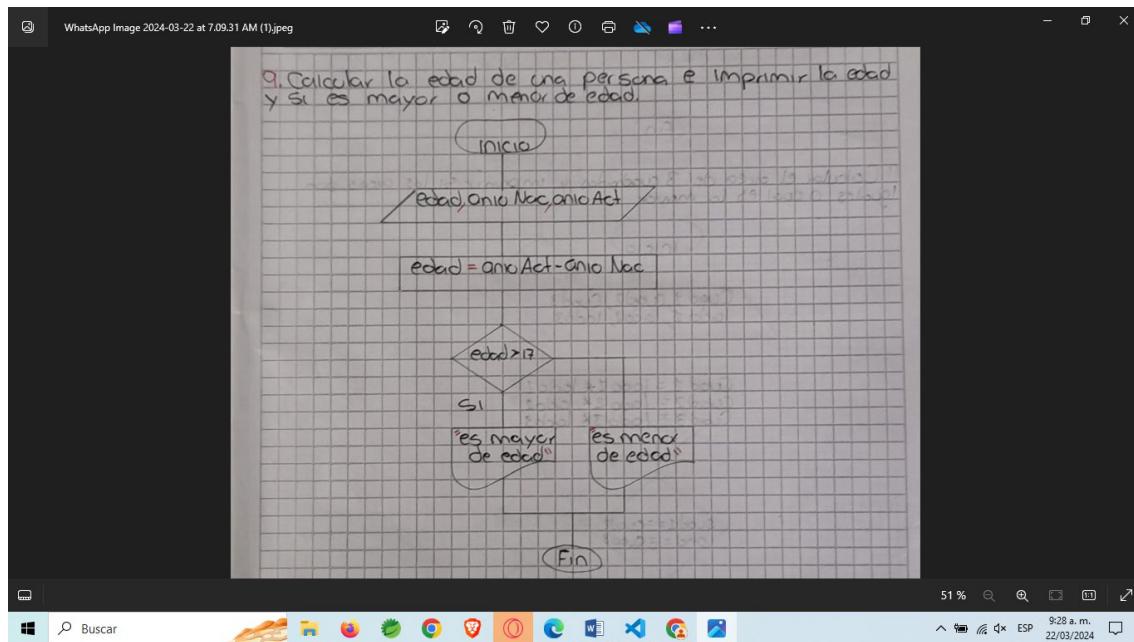


Ejercicio 9: calcular la edad de una persona e imprimir la edad y si es mayor o menor de edad.



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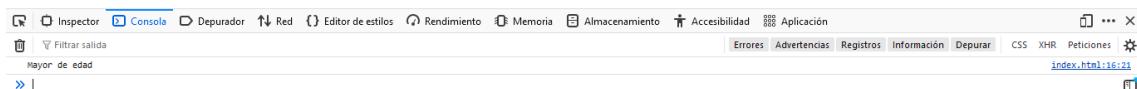


```
D:\js2899747 > TecnicoADSO > JavaScript > Condicionales > Ejercicio2 > index.html > index.html
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Ejercicio 9</title>
8
9 <body>
10   <script>
11     let edad, anoNa, anoAc;
12     anoNa = 1995, anoAc = 2024;
13     edad = anoAc - anoNa;
14     if (edad > 17) {
15       console.log('Mayor de edad');
16     } else {
17       console.log('Menor de edad');
18     }
19   </script>
20 </body>
21
22 </html>
```

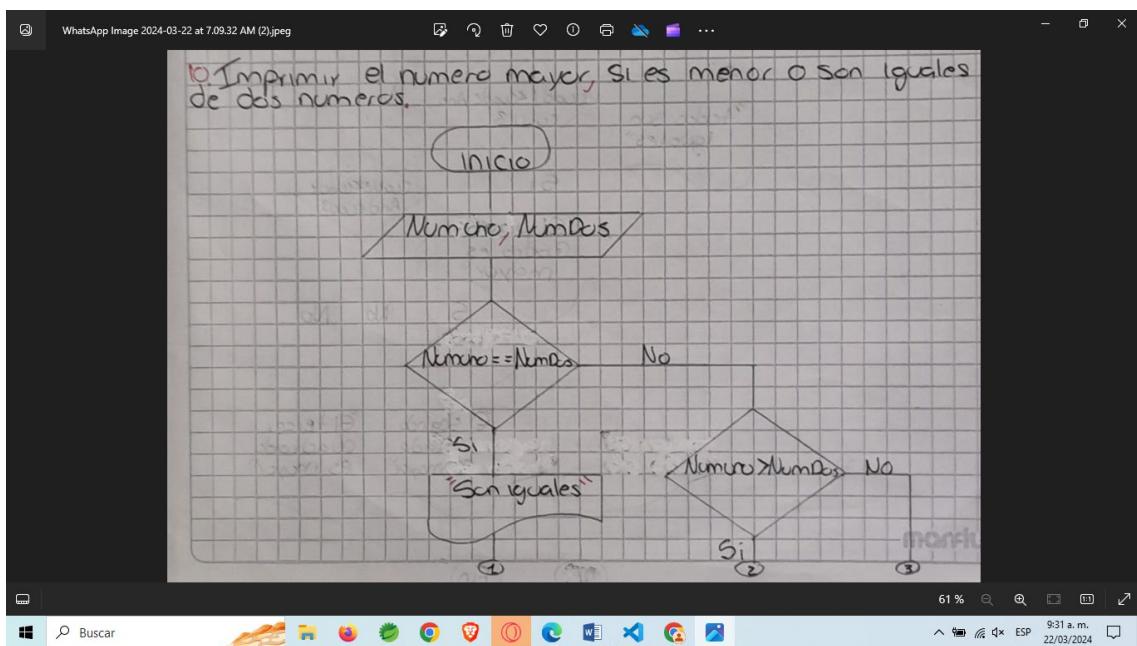


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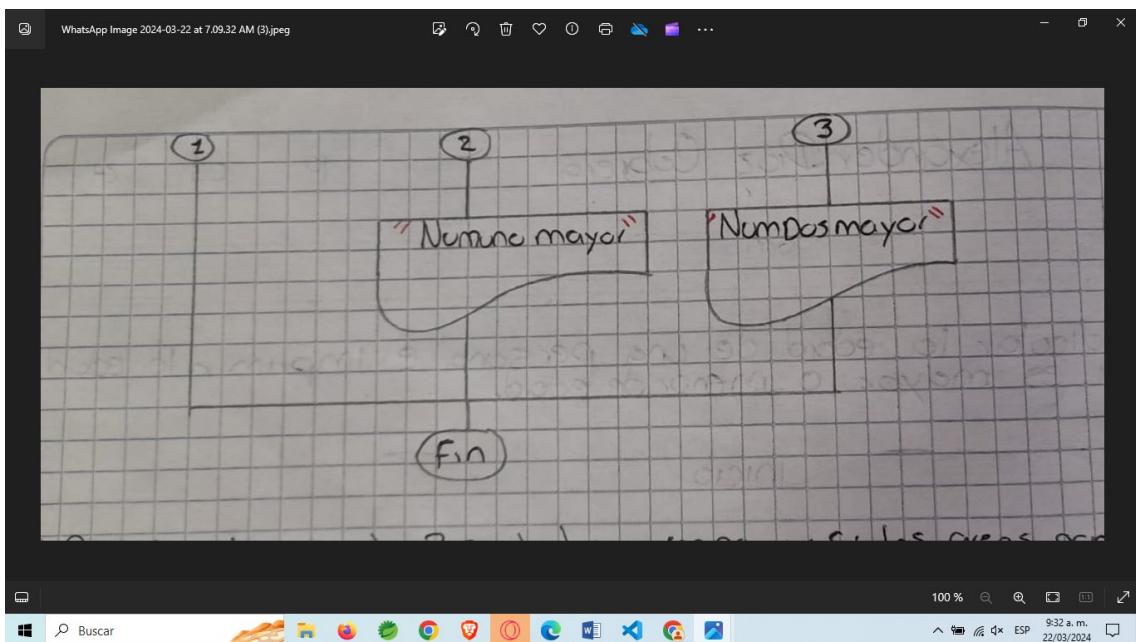
Ejercicio 10: Imprimir el numero mayor, si es menor o son iguales de dos números.





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index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 10</title>
</head>
<body>
    <script>
        let num1, num2;
        num1 = 10, num2 = 20;
        if (num1 == num2) {
            console.log('Son iguales');
        } else if (num1 > num2) {
            console.log(num1 + ' es mayor');
        } else {
            console.log(num2 + ' es mayor');
        }
    </script>
</body>
</html>
```

Modo restringido

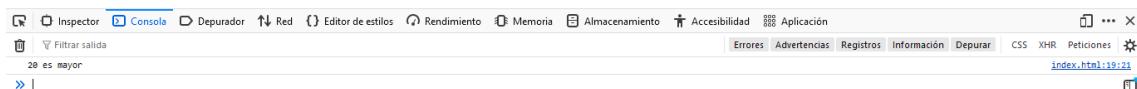
Lín. 23, col. 1 Espacios: 4 UTF-8 CRLF HTML

9:35 a.m. 22/03/2024

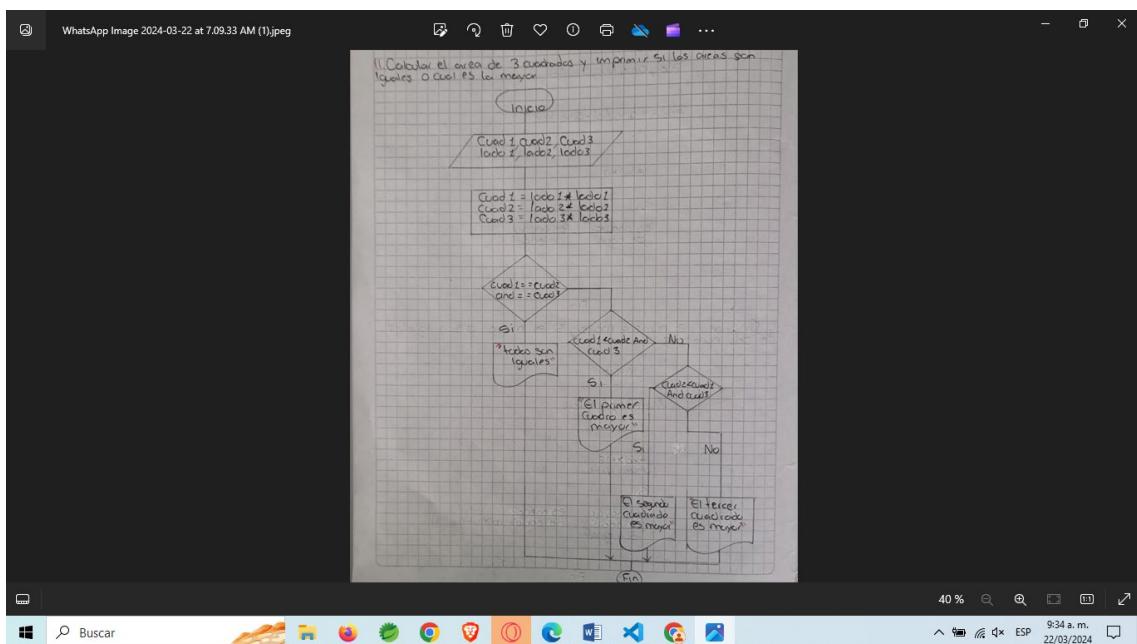


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Ejercicio 11: calcular el área de 3 cuadrados e imprimir si los áreas son iguales o cual es el mayor.

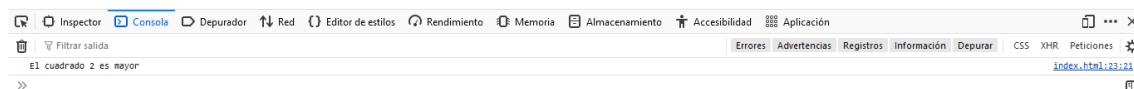




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```
D:\js2899747> TecnicoADSO> JavaScript > Condicionales > Ejercicio 4 > index.html > html > head > title
1  <!DOCTYPE html>
2  <html lang="en">
3
4    <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Ejercicio 11</title>
8    </head>
9
10   <body>
11     <script>
12       let cuad1, cuad2, cuad3, lado1, lado2, lado3;
13       lado1 = 5, lado2 = 16, lado3 = 15;
14       cuad1 = lado1 * lado1;
15       cuad2 = lado2 * lado2;
16       cuad3 = lado3 * lado3;
17
18       if (cuad1 == cuad2 && cuad2 == cuad3 && cuad3 == cuad1) {
19         console.log('Son iguales');
20       } else if (cuad1 > cuad2 && cuad1 > cuad3) {
21         console.log('El cuadrado 1 es mayor');
22       } else if (cuad2 > cuad1 && cuad2 > cuad3) {
23         console.log('El cuadrado 2 es mayor');
24       } else {
25         console.log('El cuadrado 3 es mayor');
26       }
27     </script>
28   </body>
29
30 </html>
```

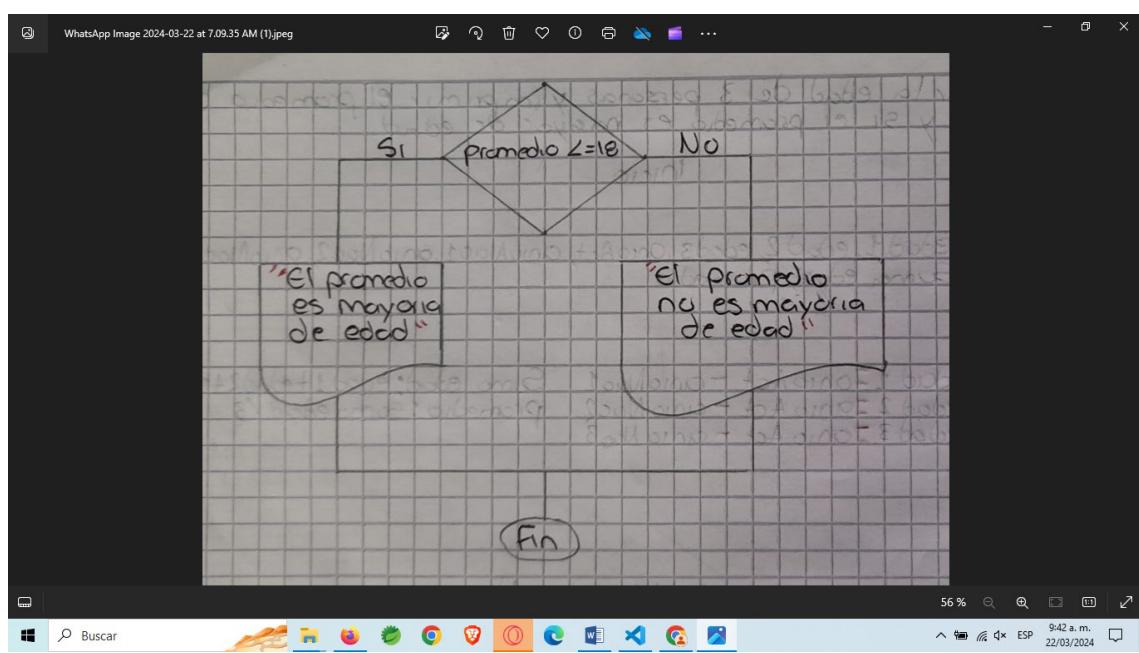
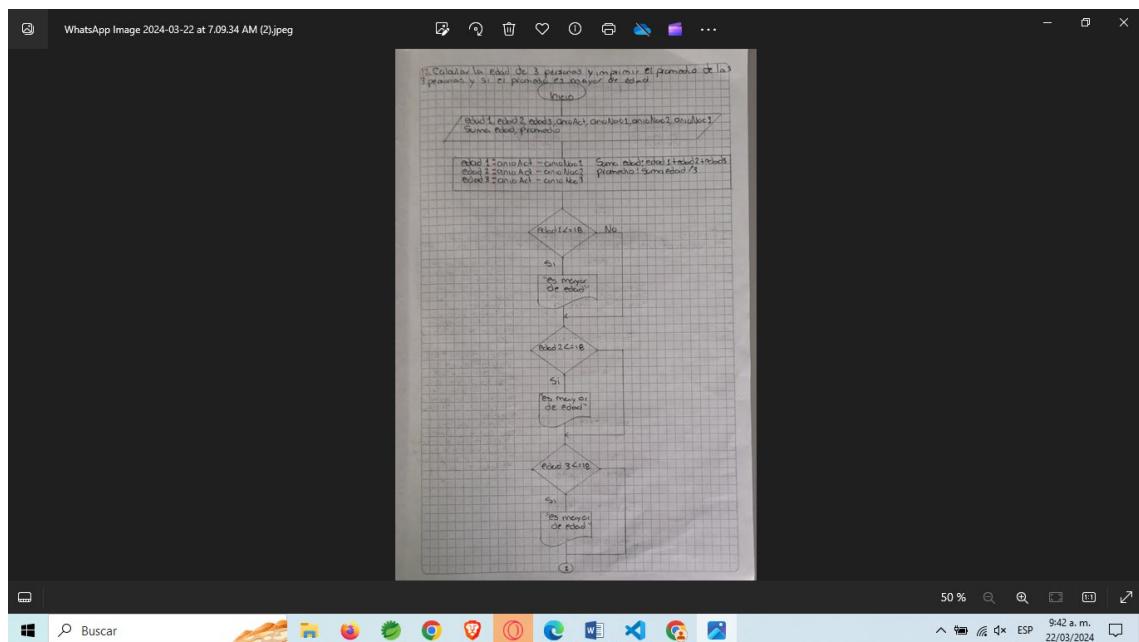


Ejercicio 12: calcular la edad de 3 personas e imprimir el promedio de las 3 personas y si el promedio es mayor de edad.



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A screenshot of a code editor window titled "index.html". The code is a JavaScript script that calculates the age difference between three people (edad1, edad2, edad3) relative to the year 2024. It then compares each person's age to 17 and logs a message to the console. The code is as follows:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 12</title>
</head>
<body>
    <script>
        let edad1, edad2, edad3, anoNa1, anoNa2, anoNa3, anoAc, prom;
        anoAc = 1990, anoNa2 = 2008, anoNa3 = 2007, anoAc = 2024;
        edad1 = anoAc - anoNa1;
        edad2 = anoAc - anoNa2;
        edad3 = anoAc - anoNa3;

        if (edad1 > 17) {
            console.log('La persona 1 es mayor de edad');
        } else {
            console.log('La persona 1 es menor de edad');
        }

        if (edad2 > 17) {
            console.log('La persona 2 es mayor de edad');
        } else {
            console.log('La persona 2 es menor de edad');
        }

        if (edad3 > 17) {
```

The status bar at the bottom shows: Líne 7, col 24 Espacios: 4 UTF-8 CRLF HTML. The date and time are 9:43 a.m. 22/03/2024.

A screenshot of a code editor window titled "index.html". The code now includes a calculation for the average age (prom) and a comparison to determine if it meets the majority of the ages. The completed code is as follows:

```
<html lang="en">
<body>
    <script>
        }
        if (edad3 > 17) {
            console.log('La persona 3 es mayor de edad');
        } else {
            console.log('La persona 3 es menor de edad');
        }

        prom = (edad1 + edad2 + edad3) / 3;

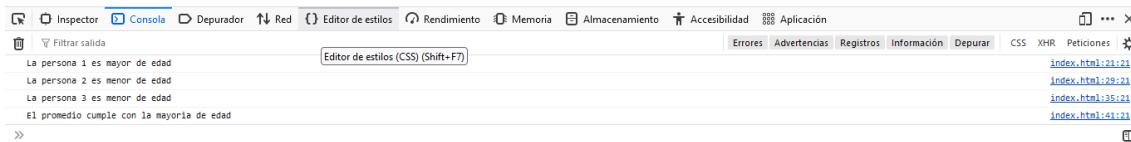
        if (prom > 17) {
            console.log('El promedio cumple con la mayoría de edad');
        } else {
            console.log('El promedio no cumple con la mayoría de edad');
        }
    </script>
</body>
</html>
```

The status bar at the bottom shows: Líne 7, col 24 Espacios: 4 UTF-8 CRLF HTML. The date and time are 9:43 a.m. 22/03/2024.



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Ejercicio 13: realizar un diagrama de flujo que calcule el pago total del sueldo de una persona debe calcular e imprimir los siguientes.

A: salario de la persona.

B: si la persona gana mas de dos salarios mínimos se suma a su sueldo el subsidio de transporte de lo contrario sumara 0.

C: calcular la salud, pensión y arl sabiendo que $\text{salud}=\text{salario}*0.12$

Pensión= $\text{salario}*0.16$ arl= $\text{salario}*0.052$.

D: si la persona gana mas de 4 salarios mínimos debe hacer una retención de 0.04 de su sueldo.

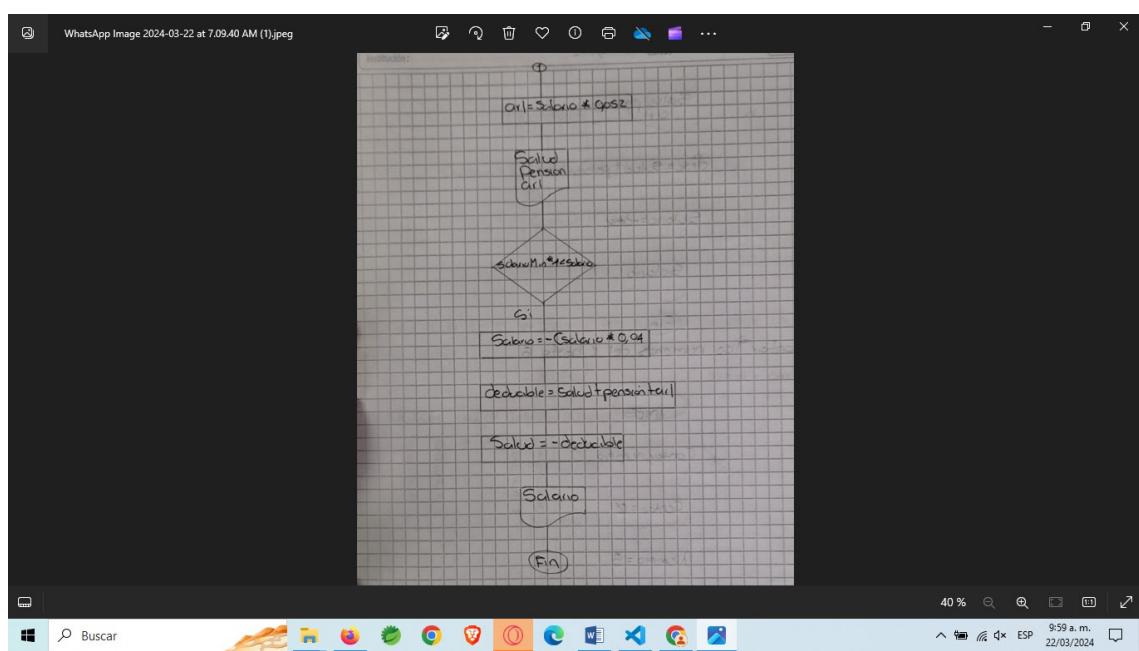
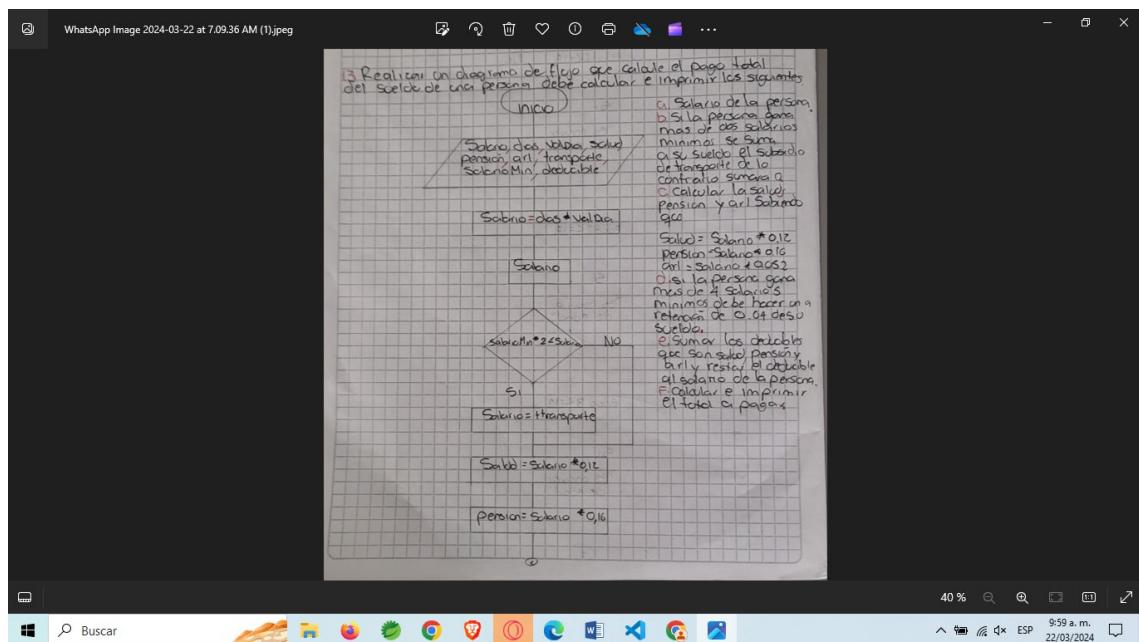
E: sumar los deducibles que son salud, pensión y arl y restar el deducible al salario de la persona.

F: calcular e imprimir el total a pagar.



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A screenshot of a code editor window titled "index.html". The code is a script that calculates salary deductions based on various factors. It includes logic for calculating deductions if the salary is less than a minimum value, adding transportation costs, and calculating healthcare and pension contributions. The code uses console.log statements to output the values of variables like salario, diasTra, valDia, salud, pension, arl, transporte, salarioMin, deducible, and the final salary after deductions.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 13</title>
</head>
<body>
    <script>
        let salario, diasTra, valDia, salud, pension, arl, transporte, salarioMin, deducible;
        valDia=60000;
        diasTra=30;
        salario = diasTra * valDia;
        console.log(salario);
        if (salario < salarioMin * 4) {
            salario = salario - (salario * 0.04);
        } else {
            salario = salario - 0;
        }
        if (salario < salarioMin * 2) {
            salario = salario + transporte;
        } else {
            salario = salario + 0;
        }
        salud = salario * 0.12;
        pension = salario * 0.16;
        arl = salario * 0.052;
        console.log(salud, pension, arl);
        deducible = salud + pension + arl;
        salario = salario - deducible;
        console.log(salario);
    </script>
</body>
</html>
```

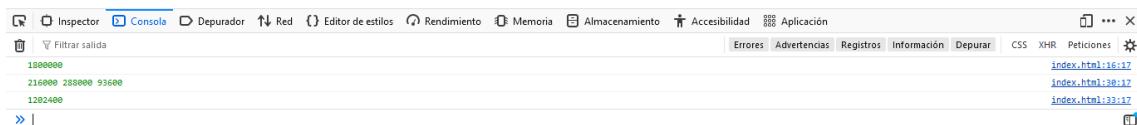
A screenshot of a code editor window titled "index.html". The code is identical to the one in the previous screenshot, but it has been simplified by removing the unnecessary calculation of "diasTra * valDia" and directly setting the variable "salario" to the result of "diasTra * valDia". The rest of the logic for deductions and output remains the same.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 13</title>
</head>
<body>
    <script>
        console.log(salario, pension, arl);
        deducible = salud + pension + arl;
        salario = salario - deducible;
        console.log(salario);
    </script>
</body>
</html>
```

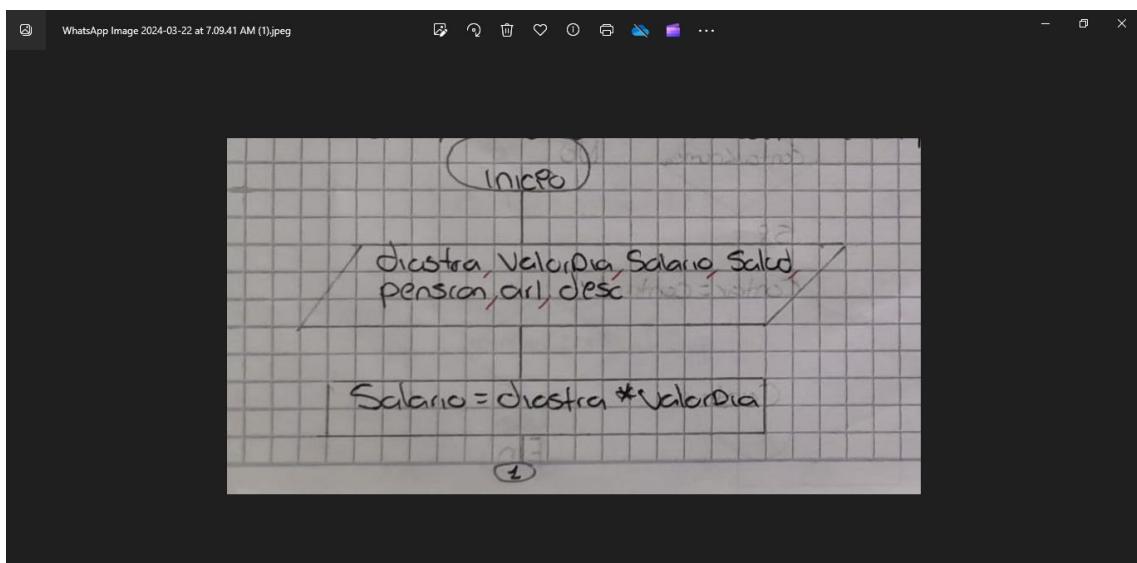


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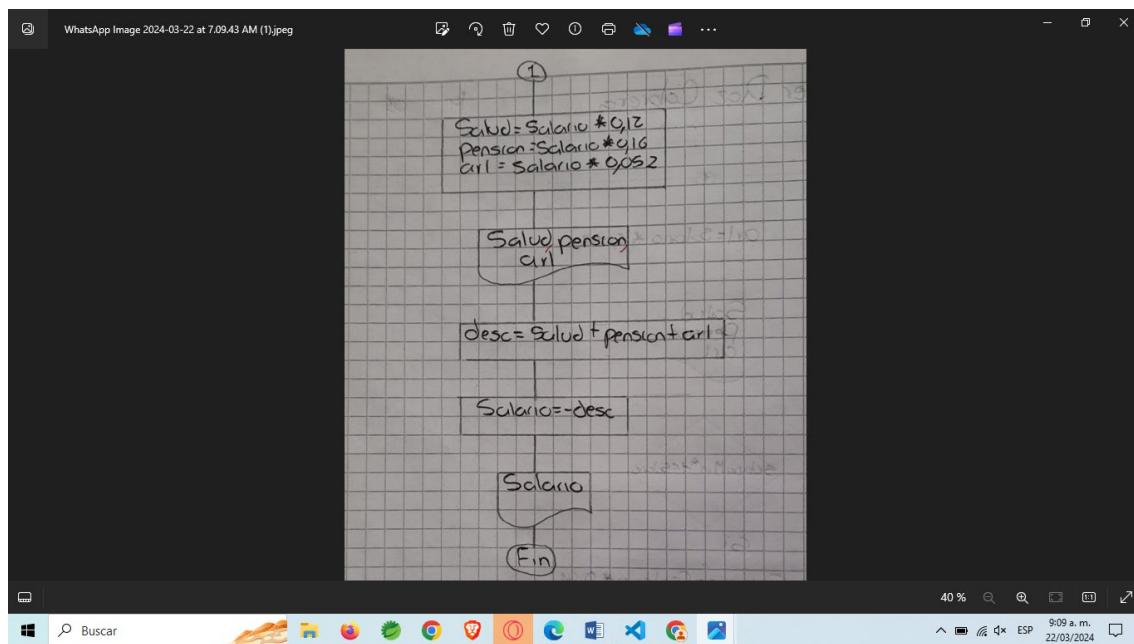
Ejercicio 14: Imprimir el pago total de una persona imprimir salud, pensión y el arl se suman y se descuentan del sueldo de la persona.





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The image shows a Microsoft Edge browser window displaying the source code of a file named `index.html`. The code is a simple JavaScript program that calculates salary deductions based on the notes above.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 14</title>
</head>
<body>
    <script>
        let salario, diasTra, valorDia, salud, pension, arl, desc;
        valorDia=40000;
        diasTra=30;
        salario = diasTra * valorDia;
        console.log(salario);

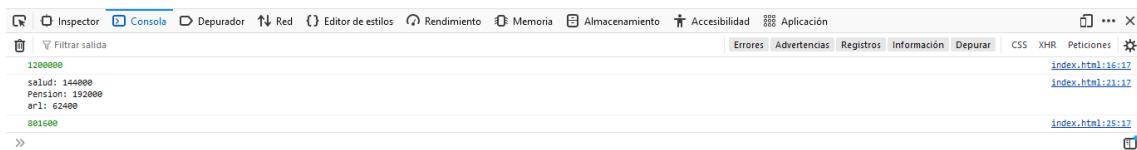
        salud = salario * 0.12;
        pension = salario * 0.16;
        arl = salario * 0.052;
        console.log("salud: " + salud + "\nPension: " + pension + "\narl: " + arl);

        desc = salud + pension + arl;
        salario = salario - desc;
        console.log(salario);
    </script>
</body>
</html>
```

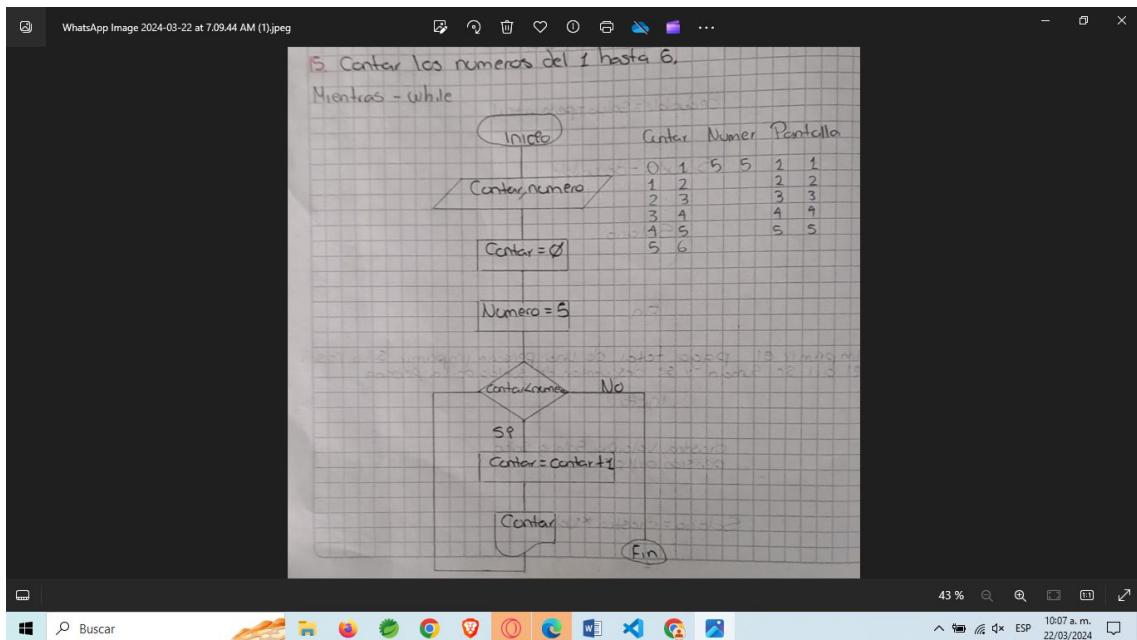


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Ejercicio 15: Contar los números del 1 hasta 5.



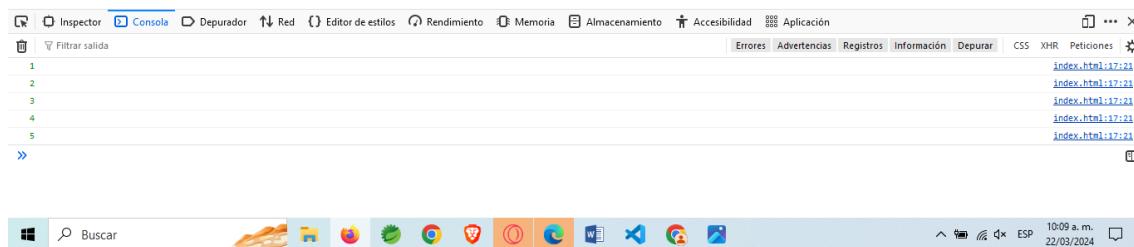


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The screenshot shows a code editor window with the file 'index.html' open. The code is a simple JavaScript script that logs numbers from 1 to 5 to the console. The code editor has a dark theme and includes a sidebar with various icons for file operations and a status bar at the bottom.

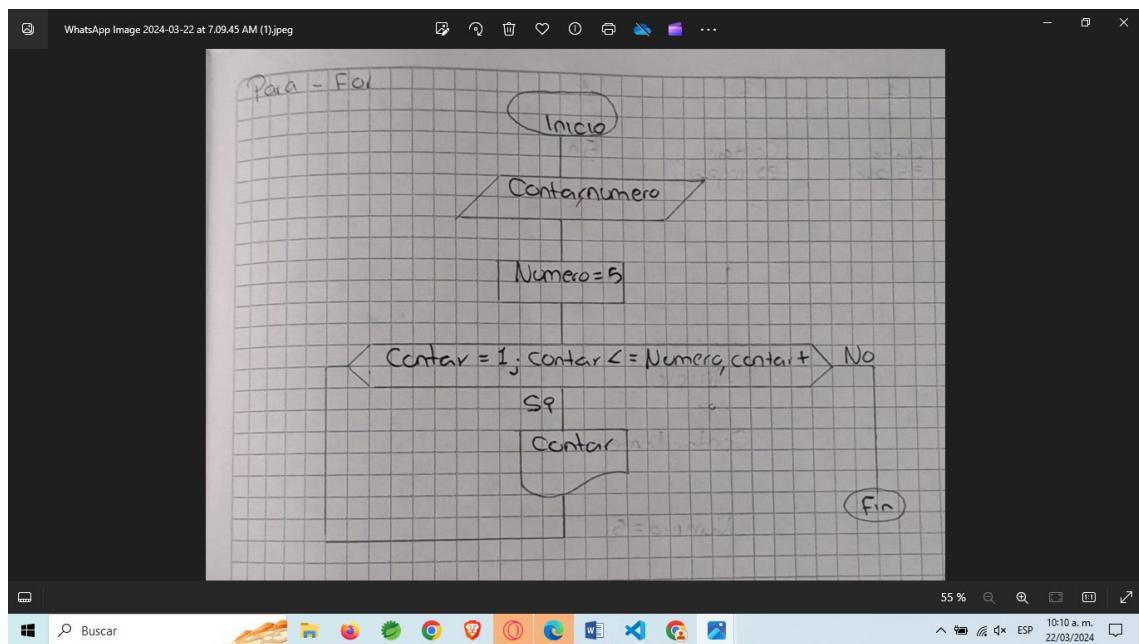
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 15</title>
</head>
<body>
    <script>
        let cont, num;
        cont = 0;
        num = 5;
        while (cont < num) {
            cont = cont + 1;
            console.log(cont);
        }
    </script>
</body>
</html>
```





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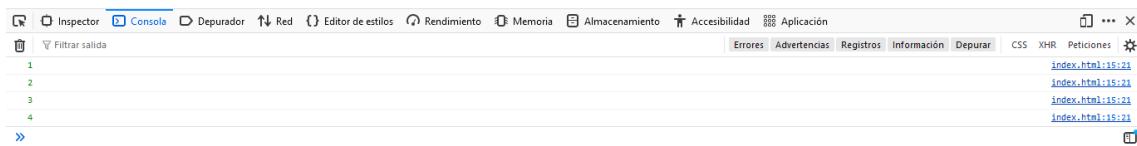
The screenshot shows a code editor window titled "index.html". The code is a simple JavaScript script within an HTML file. It declares a variable "num" and initializes it to 5. It then uses a for loop to iterate from 1 to num, logging each value to the console. The code editor interface includes a toolbar on the left with various icons, a status bar at the bottom with file information, and a bottom taskbar with system icons.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title> Ejercicio 15</title>
</head>
<body>
    <script>
        let num;
        num = 5;
        for (let cont = 1; cont < num; cont++) {
            console.log(cont);
        }
    </script>
</body>
</html>
```

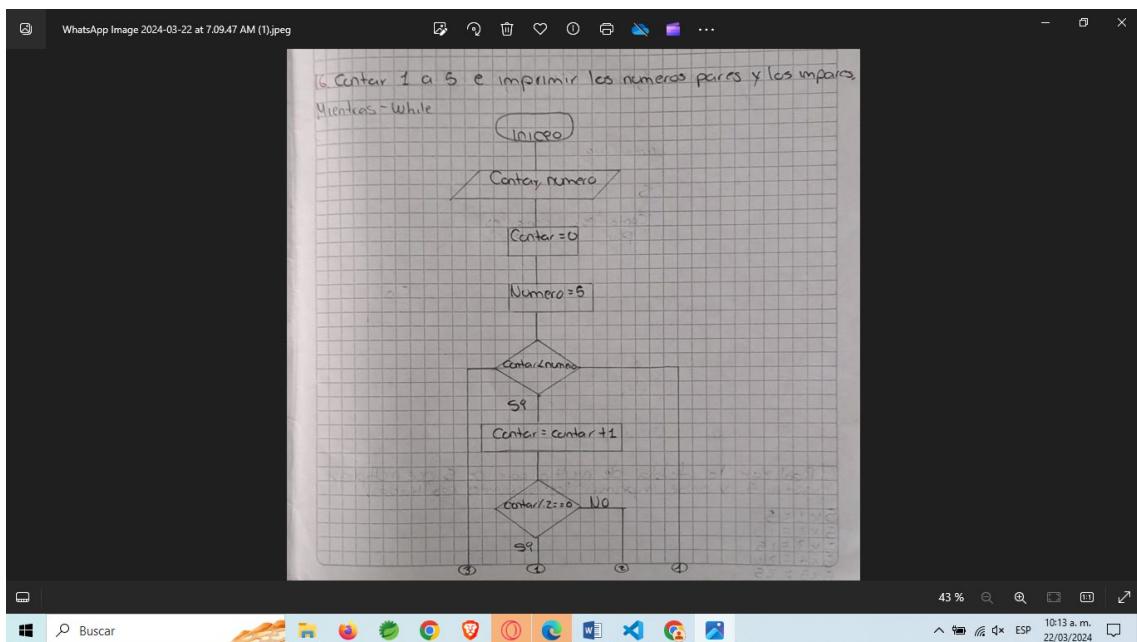


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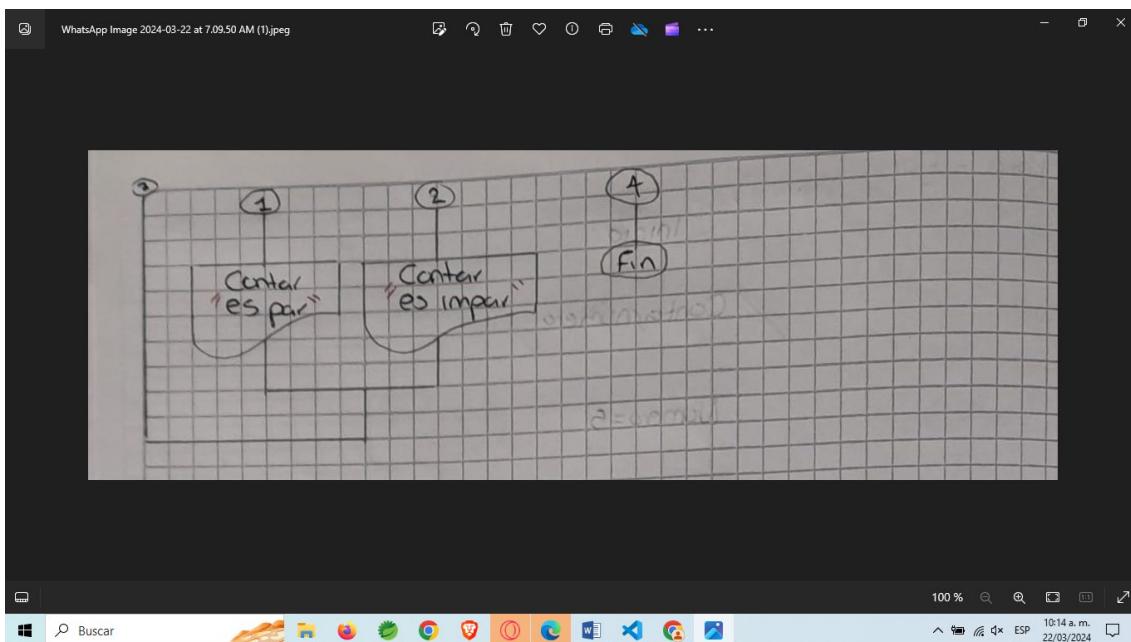
Ejercicio 16: Contar 1 a 5 e imprimir los números pares y los impares.





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A screenshot of a Windows desktop environment. At the top, there is a dark taskbar with various pinned icons. Below it, a light blue system tray shows the date and time as '22/03/2024 10:14 a.m.' In the center, a browser window is open, displaying a blank white page. To the right of the browser is a code editor window titled 'index.html'. The code editor shows the following JavaScript code:

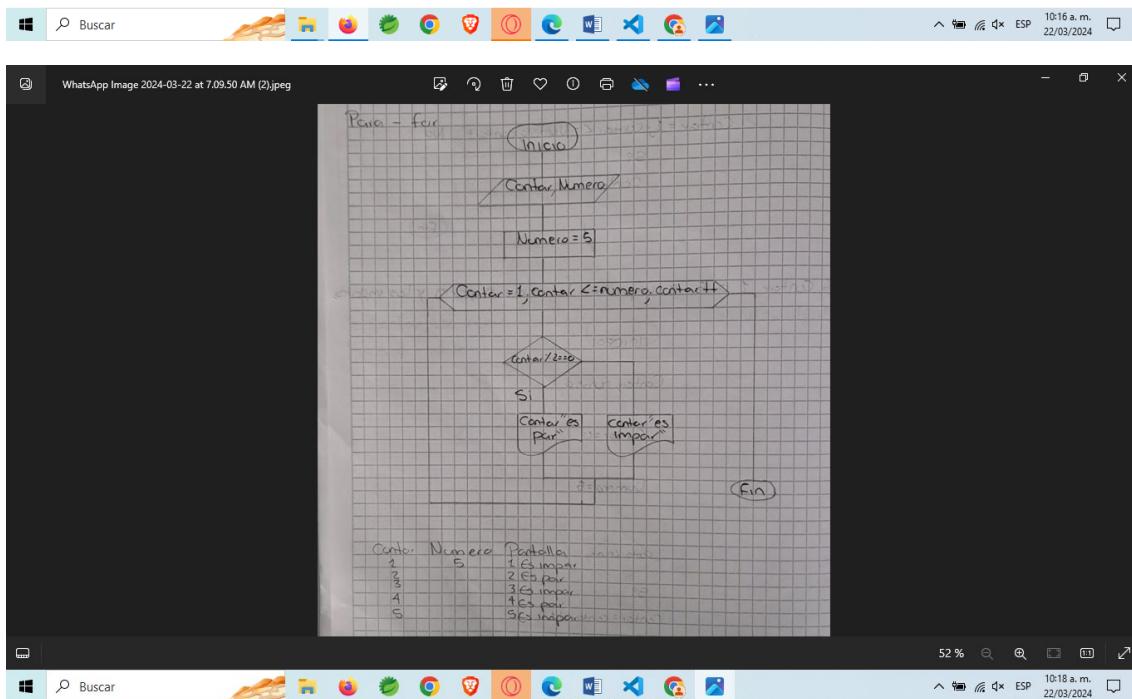
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 16</title>
</head>
<body>
    <script>
        let cont, num;
        cont = 0;
        num = 5;
        while (cont < num) {
            cont = cont + 1;
            if (cont % 2 == 0) {
                console.log(cont + ' es par');
            } else {
                console.log(cont + ' es impar');
            }
        }
    </script>
</body>
</html>
```

The code editor interface includes standard file operations like Archivo (File), Editar (Edit), and Selection (Select). It also shows the current file path: 'D:\js2899747 > TecnicoADSO > JavaScript > Ciclos > While > Ejercicio2 > index.html'. The bottom of the screen features a second taskbar with the same pinned icons as the top one, and the system tray at the bottom right shows the date and time again.



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```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 16</title>
</head>
<body>
    <script>
        let num;
        num = 5;
        for (let cont = 1; cont <= num; cont++) {
            if (cont % 2 == 0) {
                console.log(cont + ' es par');
            } else {
                console.log(cont + ' es impar');
            }
        }
    </script>
</body>
</html>
```



```
1 es impar
2 es par
3 es impar
4 es par
5 es impar
```

Windows Taskbar:

Ejercicio 17: Realizar la tabla de multiplicar de 5 que multiplique hasta 5 y debe imprimir los siguientes resultados.

$$5 \times 1 = 5$$

$$5 \times 2 = 10$$



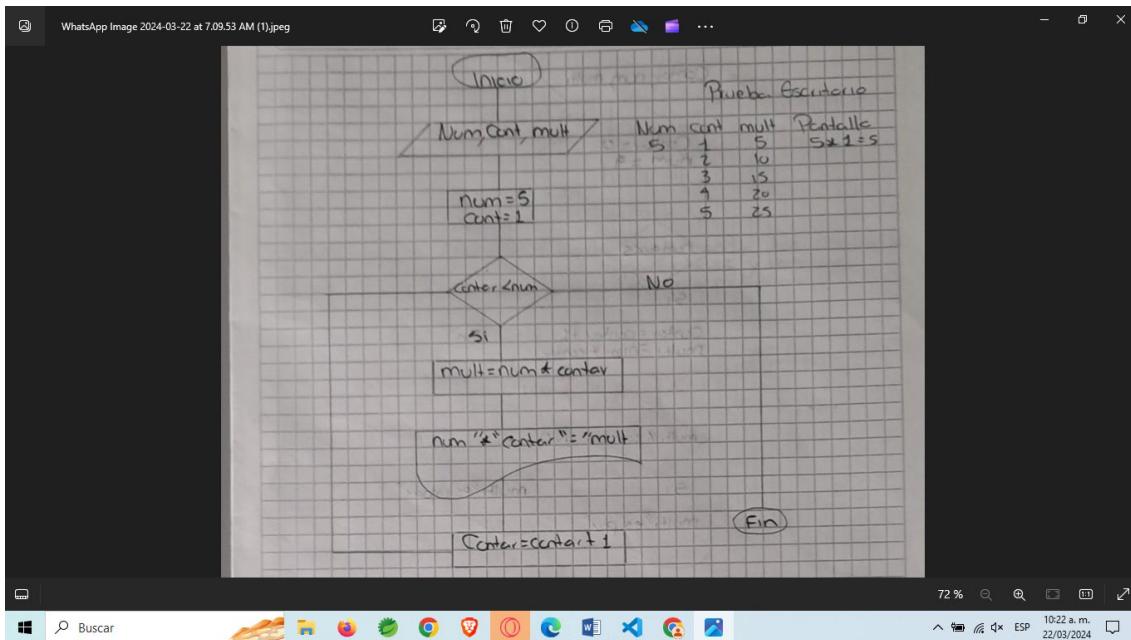
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$$5 \times 3 = 15$$

$$5 \times 4 = 20$$

$$5 \times 5 = 25$$

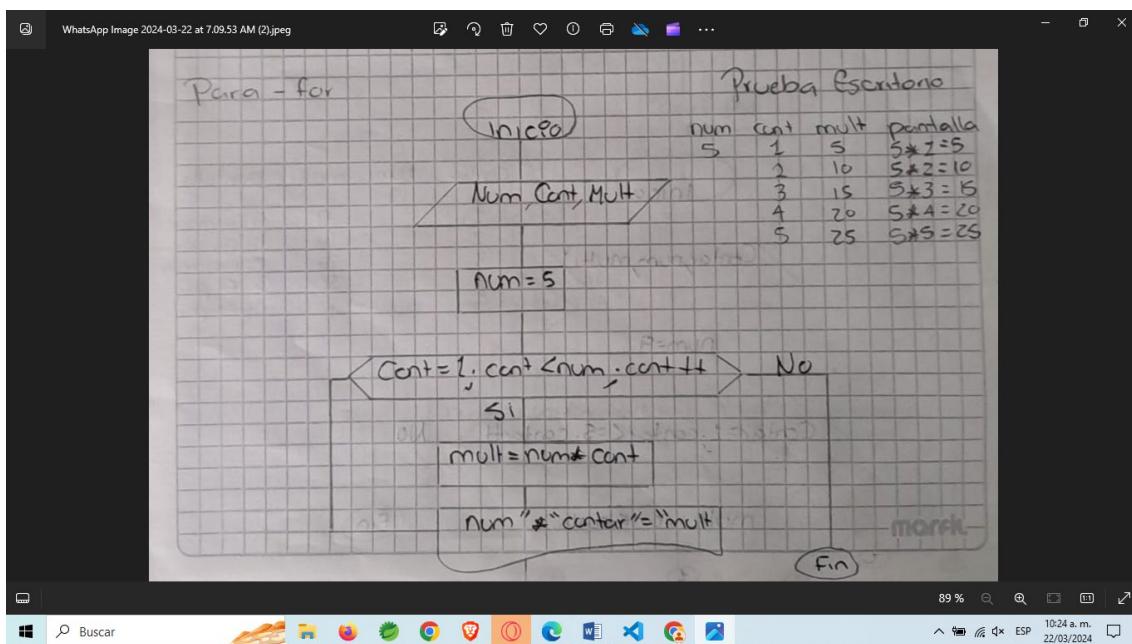


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 17</title>
</head>
<body>
    <script>
        let cont, num, result;
        cont = 0;
        num = 5;
        while (cont < num) {
            cont = cont + 1;
            result = num * cont;
            console.log(num + ' x ' + cont + ' = ' + result);
        }
    </script>
</body>
</html>
```



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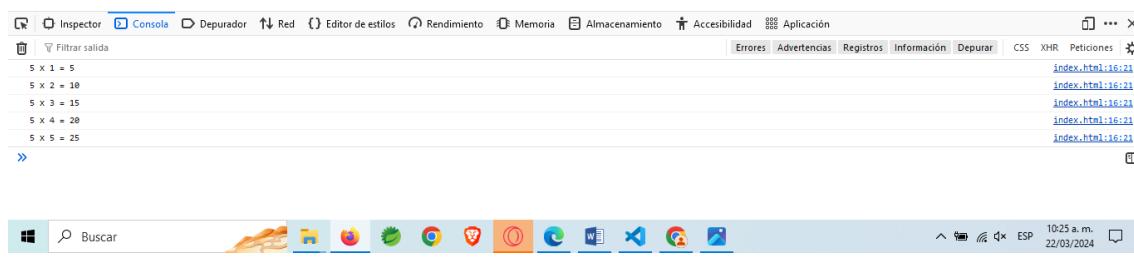
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A screenshot of a code editor window titled "index.html". The code is a simple JavaScript program that prints a multiplication table for the number 5. The code is as follows:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 17</title>
</head>
<body>
    <script>
        let num, result;
        num = 5;
        for (let cont = 1; cont <= num; cont++) {
            result = num * cont;
            console.log(num + ' x ' + cont + ' = ' + result);
        }
    </script>
</body>
</html>
```

The status bar at the bottom of the editor shows: Líne. 7, col. 24 Espacios: 4 UTF-8 CRLF HTML Go Live 10:25 a.m. 22/03/2024

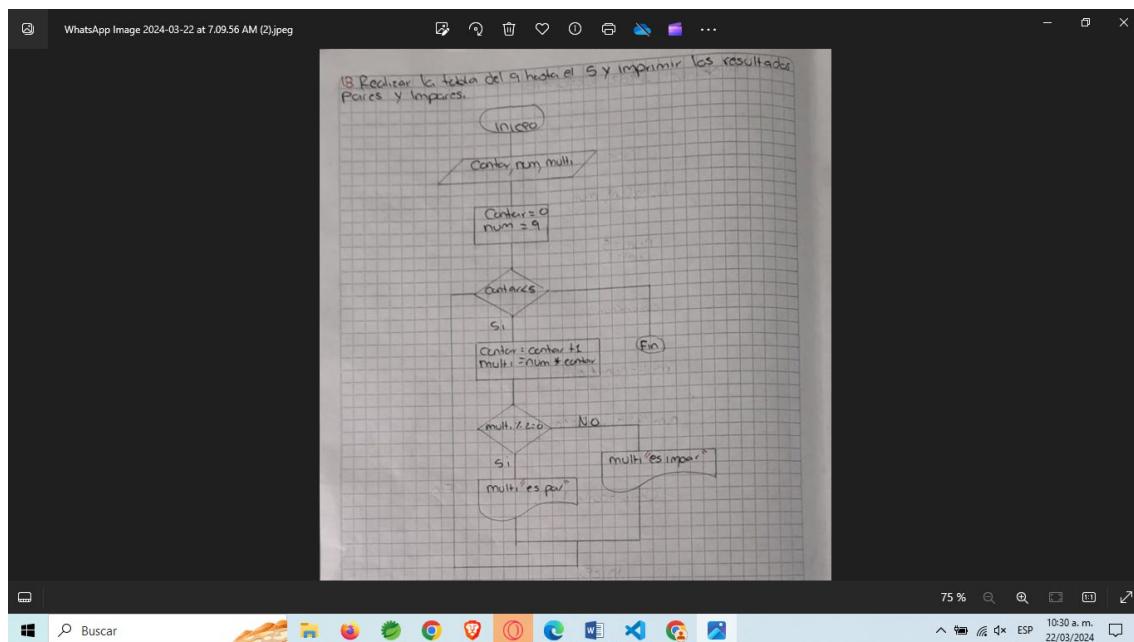


Ejercicio 18: Realizar la tabla del 9 hasta el 5 e imprimir los resultados pares e impares.



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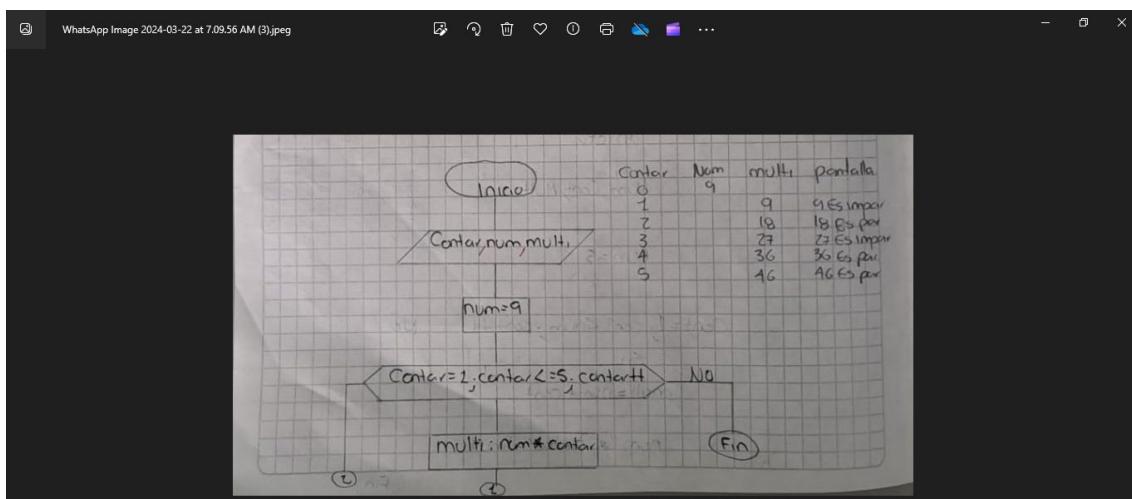


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 18</title>
</head>
<body>
    <script>
        let cont, result;
        cont = 0;
        while (cont < 5) {
            cont = cont + 1;
            result = cont * 9;
            if (result % 2 == 0) {
                console.log(result + ' es par');
            } else {
                console.log(result + ' es impar');
            }
        }
    </script>
</body>
</html>
```



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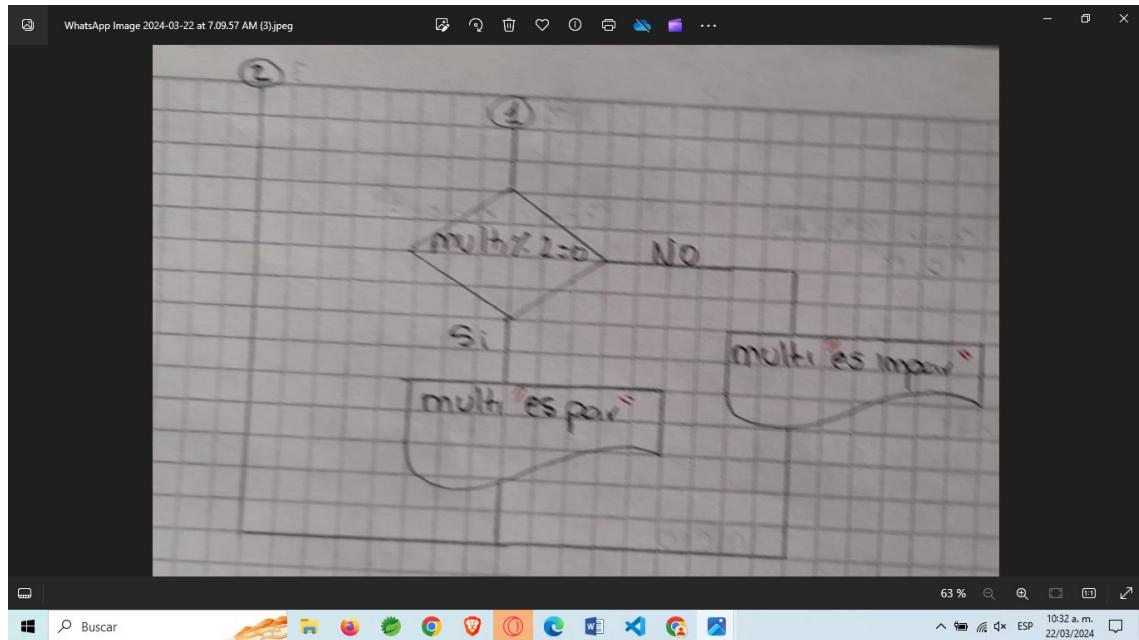
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```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 18</title>
</head>
<body>
    <script>
        let result;
        for (let cont = 1; cont <= 5; cont++) {
            result = cont * 9;
            if (result % 2 == 0) {
                console.log(result + ' es par');
            } else {
                console.log(result + ' es impar');
            }
        }
    </script>
</body>
</html>
```

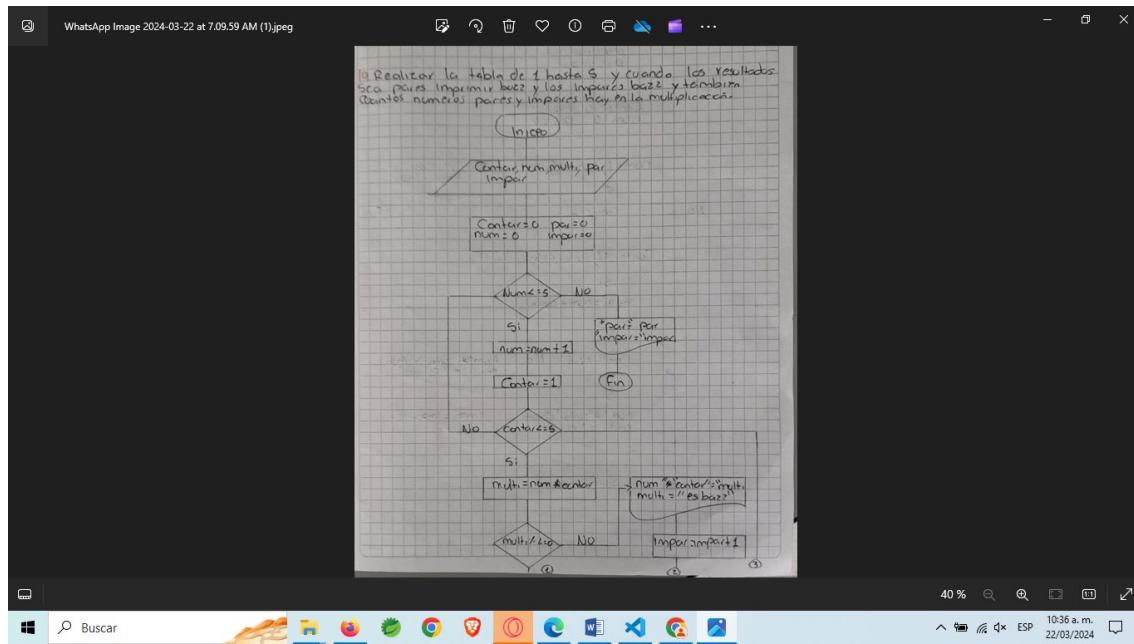


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Ejercicio 19: Realizar la tabla de 1 hasta 5 y cuando los resultados sea pares imprimir buzz y los impares bazz y también cuantos números pares e impares hay en la multiplicacion.





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WhatsApp Image 2024-03-22 at 7.10.01 AM (1).jpeg

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 19</title>
</head>
<body>
    <script>
        let cont1, cont2, contPar, contImpar, result;
        cont1 = 0;
        contPar = 0;
        contImpar = 0;
        while (cont1 < 5) {
            cont1 = cont1 + 1;
            cont2 = 0;
            while (cont2 < 5) {
                cont2 = cont2 + 1;
                result = cont1 * cont2;
                console.log(cont1 + " x " + cont2 + " = " + result);
                if (result % 2 == 0) {
                    console.log("buzz");
                    contPar = contPar + 1;
                } else {
                    console.log("bass");
                    contImpar = contImpar + 1;
                }
            }
            console.log("par: " + contPar);
        }
    </script>
</body>
</html>
```

Lín. 28, col. 47 Espacios: 4 UTF-8 CRLF HTML ⚡ Go Live ⚡ Go Live



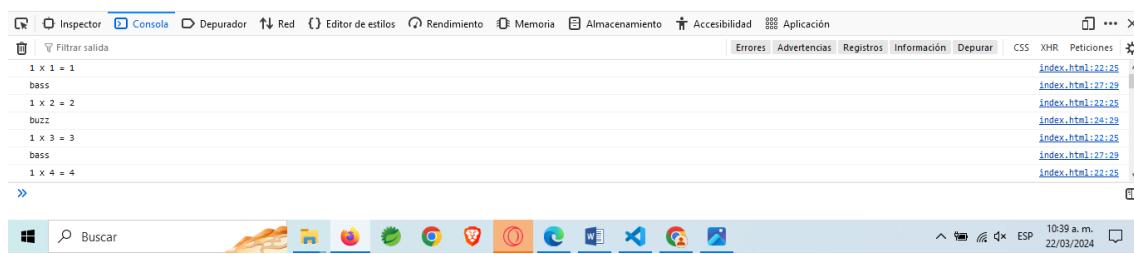
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A screenshot of a code editor window titled "index.html". The code is written in JavaScript and performs a multiplication operation and logs results to the console. The code is as follows:

```
D:\js2899747 > TecnicoADSO > JavaScript > Ciclos > While > Ejercicio5 > index.html > html > body > script
 2   <html lang="en">
 10  <body>
11    <script>
20      cont2 = cont2 + 1;
21      result = cont1 * cont2;
22      console.log(cont1 + " x " + cont2 + " = " + result);
23      if (result % 2 == 0) {
24        console.log("buzz");
25        contPar = contPar + 1;
26      } else {
27        console.log("bass");
28        contImpar = contImpar + 1;
29      }
30    }
31    console.log("par: " + contPar);
32    console.log("impar: " + contImpar);
33  </script>
35 </body>
36
37 </html>
```

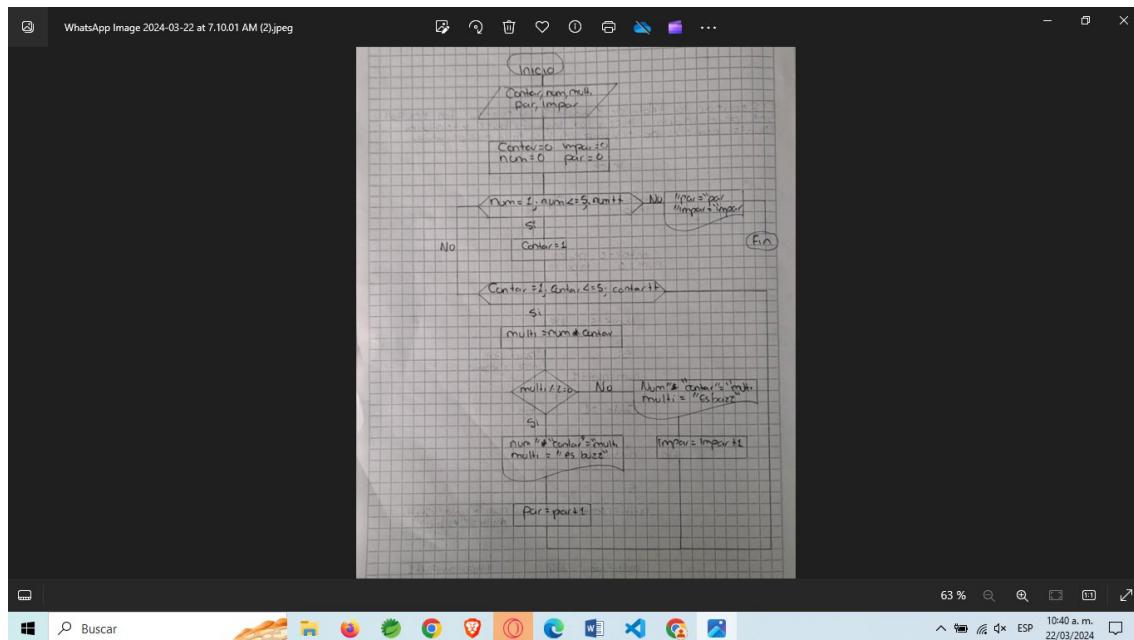
The status bar at the bottom shows: Lín. 28, col. 47 Espacios: 4 UTF-8 CRLF HTML Go Live Go Live. The taskbar below shows various application icons.





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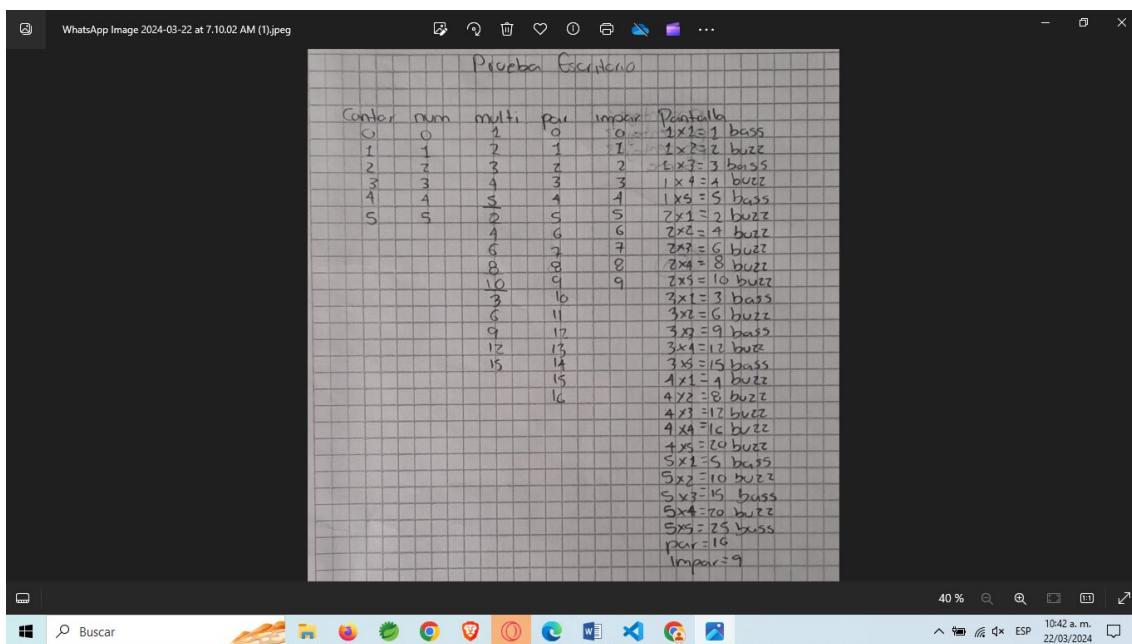
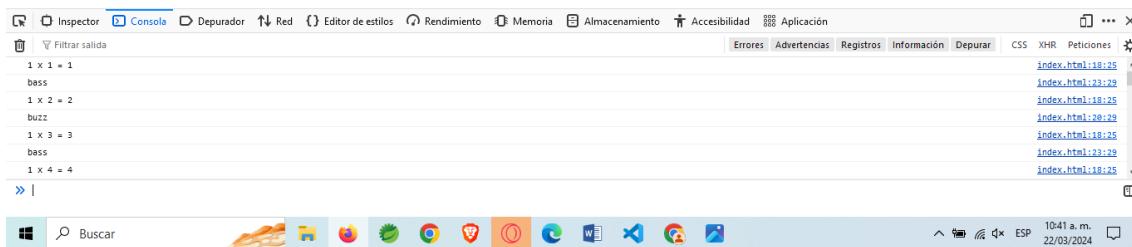


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 19</title>
</head>
<body>
    <script>
        let contPar, contImpar, result;
        contPar = 0;
        contImpar = 0;
        for (let cont1 = 1; cont1 <= 5; cont1++) {
            for (cont2 = 1; cont2 <= 5; cont2++) {
                result = cont1 * cont2;
                console.log(cont1 + " x " + cont2 + " = " + result);
                if (result % 2 == 0) {
                    console.log("buzz");
                    contPar = contPar + 1;
                } else {
                    console.log("bass");
                    contImpar = contImpar + 1;
                }
            }
            console.log("par: " + contPar);
            console.log("impar: " + contImpar);
        }
    </script>
</body>
```



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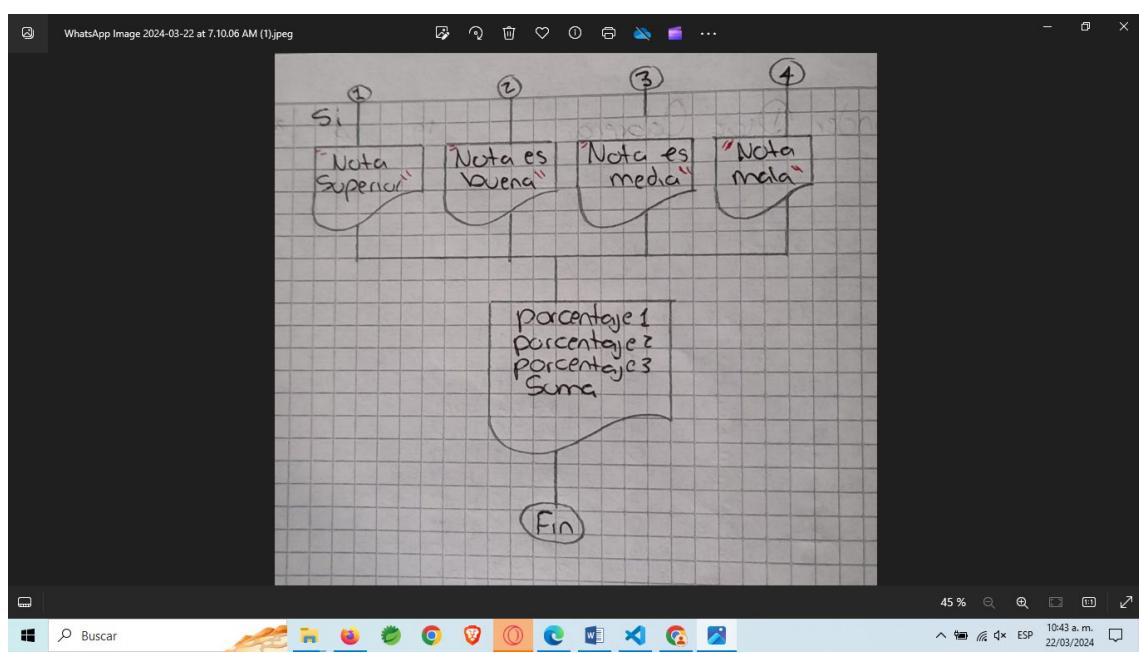
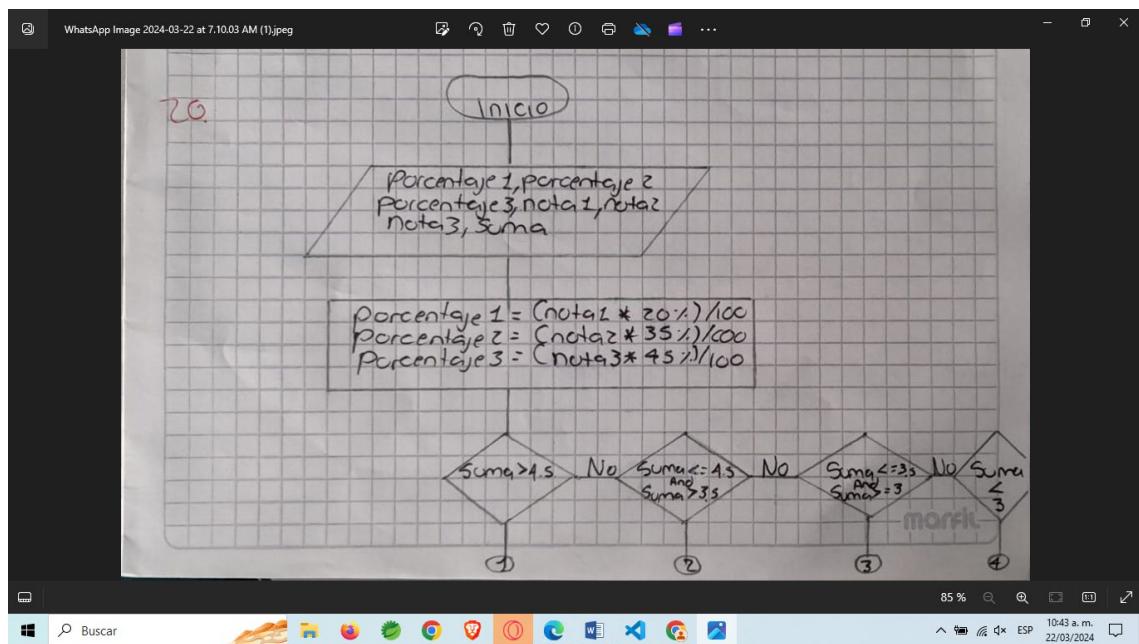


Ejercicio 20:



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A screenshot of a code editor window. The title bar shows two tabs: 'index.html D:\js2899747\TecnicoADSO\JavaScript\Condicionales\Ejercicio7' and 'index.html D:\js2899747\TecnicoADSO\JavaScript\Condicionales\Ejercicio7'. The main area displays the following code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ejercicio 20</title>
</head>
<body>
    <script>
        let nota1, porNota1, nota2, porNota2, nota3, porNota3, suma;
        porNota1 = nota1 * 0.20;
        porNota2 = nota2 * 0.35;
        porNota3 = nota3 * 0.45;
        console.log(porNota1, porNota2, porNota3);
        suma = porNota1 + porNota2 + porNota3;
        console.log(suma);
        if (suma > 4.5) {
            console.log('La nota es superior');
        } else if (suma > 3.5) {
            console.log('La nota es buena');
        } else if (suma >= 3) {
            console.log('La nota es media');
        } else {
            console.log('La nota es mala');
        }
    </script>
</body>
</html>
```

The status bar at the bottom indicates: Lín. 27, col. 10 Espacios: 4 UTF-8 CRLF HTML Go Live Go Live. The taskbar below shows various application icons.





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Software

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