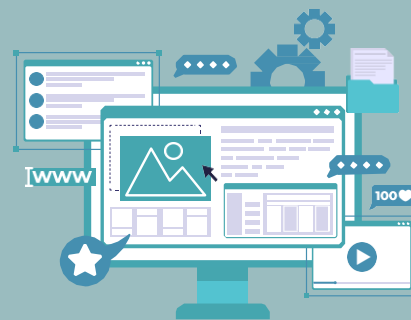




INSTITUTO
TECNOLOGICO
DE REYNOSA



UNIDAD 3:

CONTROL DE FLUJO

ELABORADO POR:

VICTOR HUGO CRUZ CRUZ

ING. MECATRONICA

2DO SEMESTRE

24580070

GRUPO 2B

DOCENTE:

MIRIAM PUENTE JIMÉNEZ

MATERIA:

PROGRAMACIÓN BÁSICA



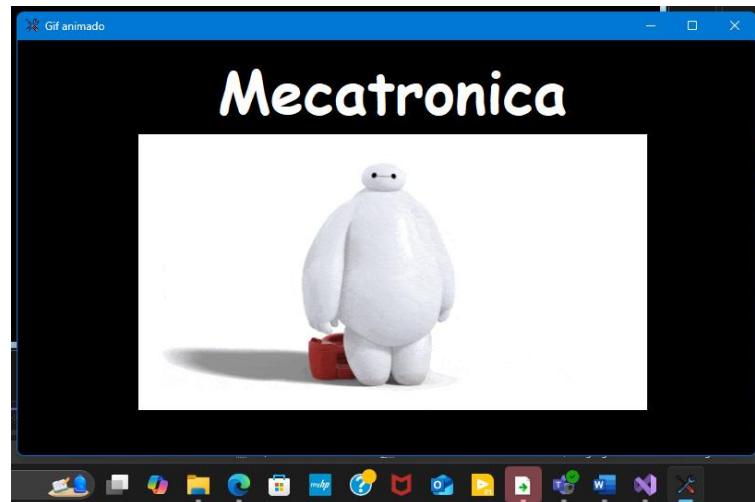
04/04/25

REYNOSA TAMAULIPAS

1. InstalacionyPracticas.pdf

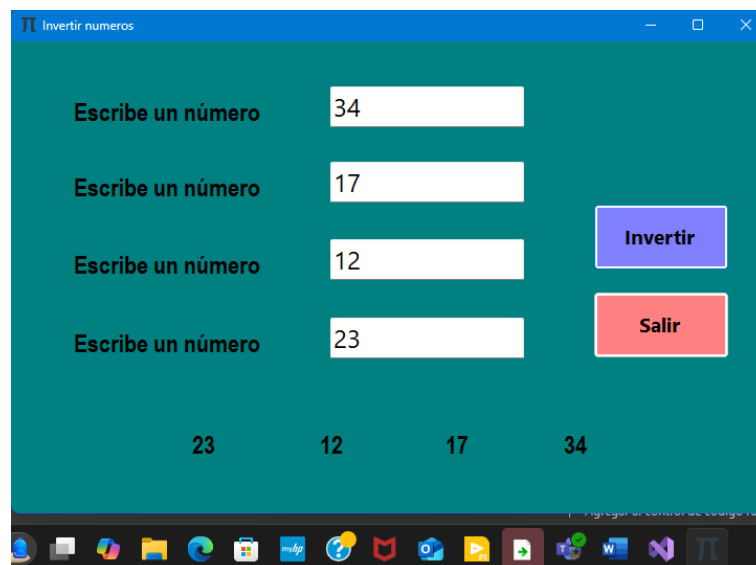
PRACTICA 1

Gif animado:



PRACTICA 2

Invierte Datos:



PRACTICA 3

Sumar dos números y escribir en etiqueta:

The application window titled "Sumar numeros" has a light orange background. It contains two input fields: "Primer número" with the value 17 and "Segundo número" with the value 19. Below these is a light blue button labeled "SUMAR". To the right of the button, the text "Suma = 36" is displayed. The window is running on a Windows desktop with a taskbar at the bottom showing various application icons.

PRACTICA 4

Calcular Área y volumen de un cilindro:

The application window titled "Area del cilindro" has a light purple background. At the top, it says "INTRODUSCA LAS DIMENSIONES DEL CILINDRO". There are two input fields: "Radio" with the value 38.64 and "Altura" with the value 22.48. To the right of these fields is a diagram of a yellow cylinder with radius 'r' and height 'h'. Below the input fields are three buttons: "Calcular", "Borrar", and "Salir". At the bottom, there are four output fields: "Base área" (4690.55), "Lateral área" (5457.75), "Total área" (14838.85), and "Volumen" (105443.65). The window is running on a Windows desktop with a taskbar at the bottom.

PRACTICA 5

Calcular el área de un triángulo:

The screenshot shows a web application window titled "Área de un triángulo". The main heading is "Área del Triángulo". To the right of the input fields is a diagram of a triangle with a red vertical line representing the height h and a horizontal line representing the base B . The input fields are labeled "Base", "Altura", and "Área". The values entered are 30, 15, and 225 respectively. At the bottom, there are three buttons: "CALCULAR", "BORRAR", and "SALIR".

Label	Value
Base	30
Altura	15
Área	225

PRACTICA 6

Conversion de temperaturas entre Fahrenheit y Celsius:

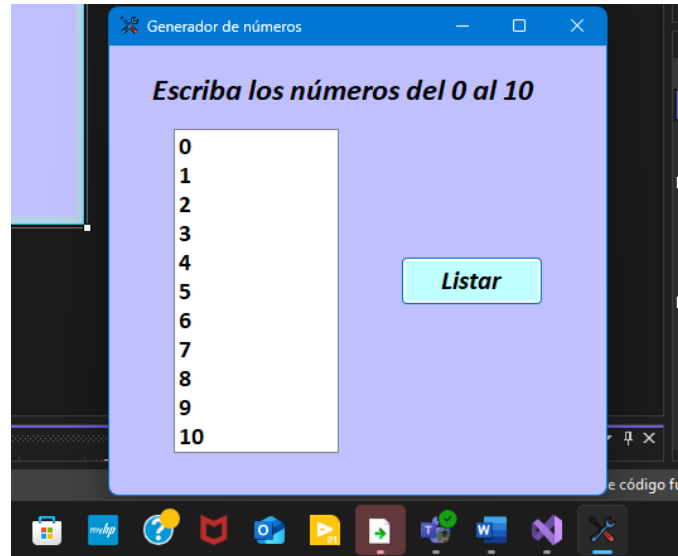
The screenshot shows a web application window titled "Conversion de temperaturas". It has a "Datos" section with an input field "Ingresa el Valor:" containing the number 68. Below this is the "Operaciones de Conversion" section with three buttons: "FAHRENHEIT", "CENTÍGRADOS" (which is highlighted with a blue border), and "BORRAR". At the bottom is the "Resultado" section with the text "Equivalencia en Centigrados" and an input field containing the number 20.

Section	Field/Label	Value
Datos	Ingresa el Valor:	68
	Resultado (Equivalencia en Centigrados)	20

2. For While Do.pdf

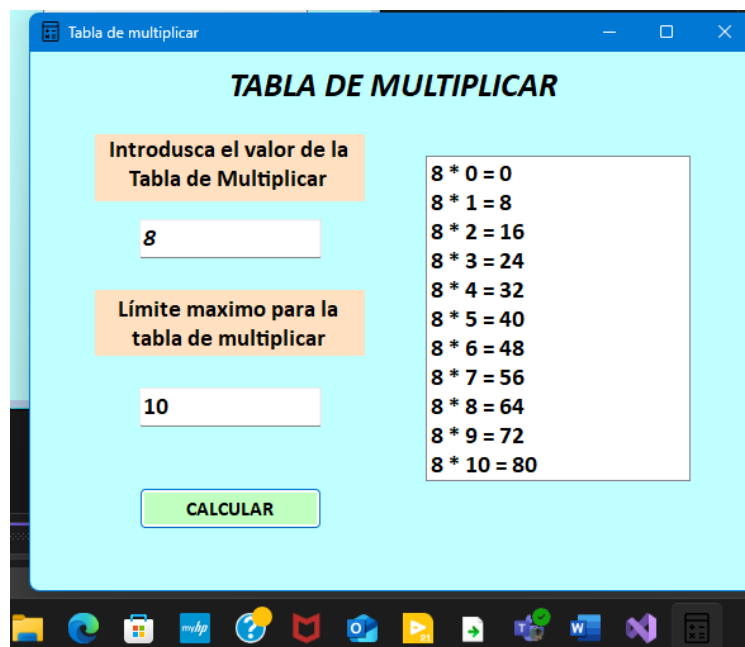
PRACTICA 1

Escribe los números del 0 al 10, con do... while:



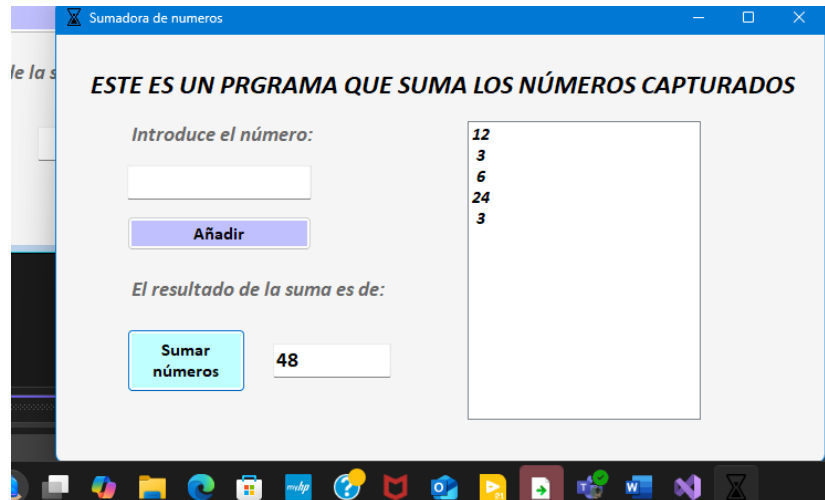
PRACTICA 2

Imprime la tabla de multiplicar:



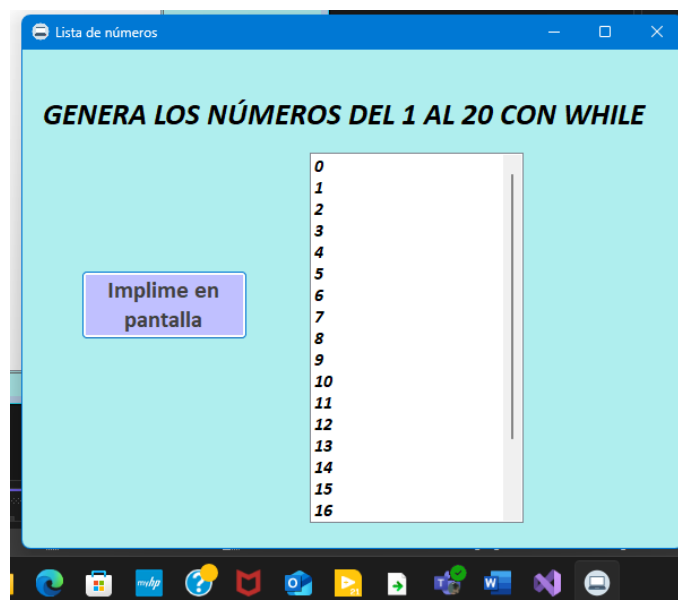
PRACTICA 3

Programa que suma números que introduce el usuario, y suma todos cuando das clic al botón:



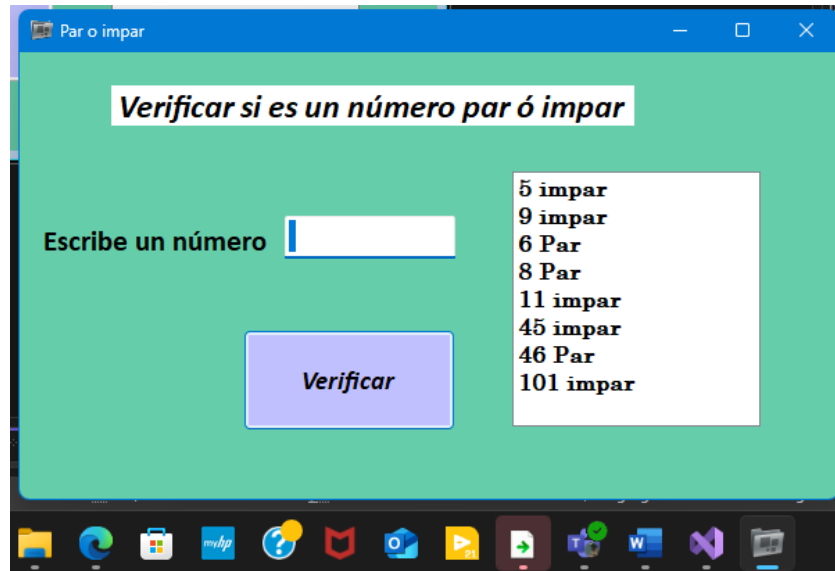
PRACTICA 4

Imprimir con el ciclo While todos los números del 1 al 20. (Nota: no había ejercicio 4, por ende, desplaze los ejercicios, por lo tanto, este es el ejercicio 5):



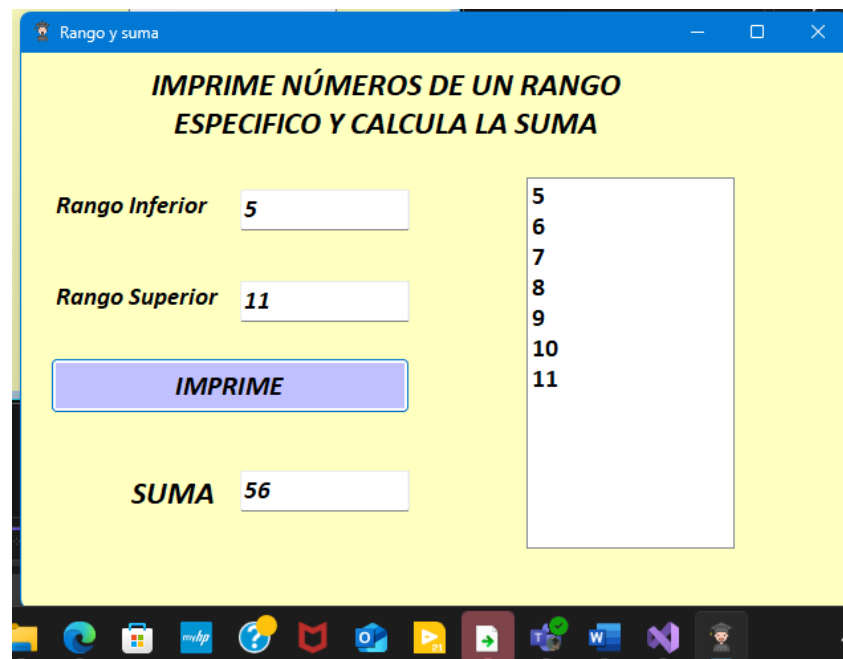
PRACTICA 5

Verificar si un número es par o impar:



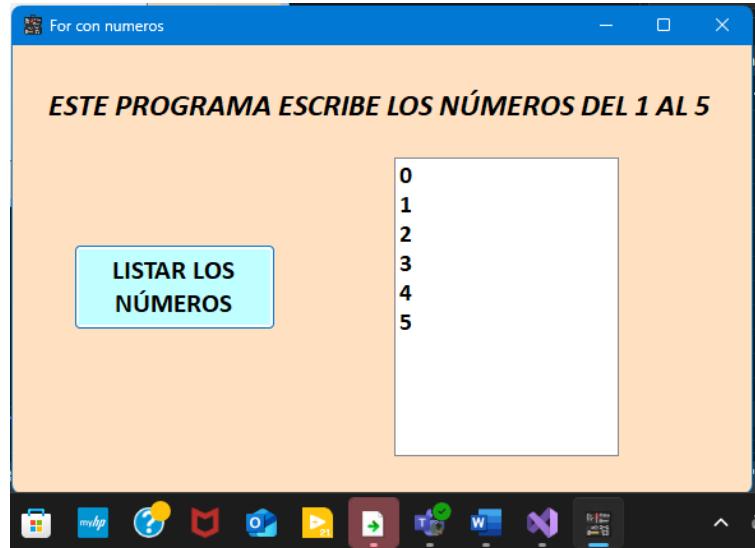
PRACTICA 6

Imprime números de un rango específico y calcula la suma:



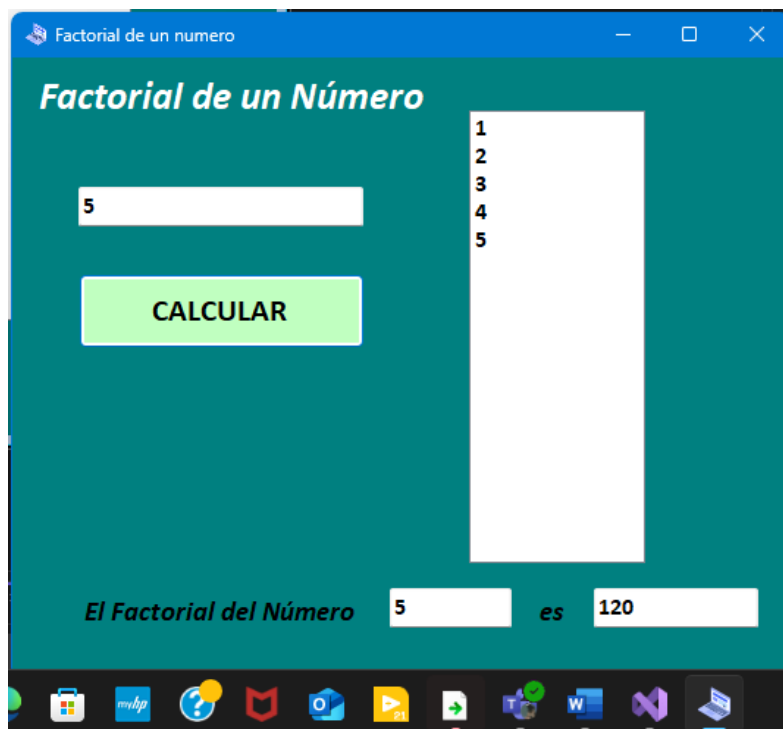
PRACTICA 7

Imprime números del 1 al 5 con for:



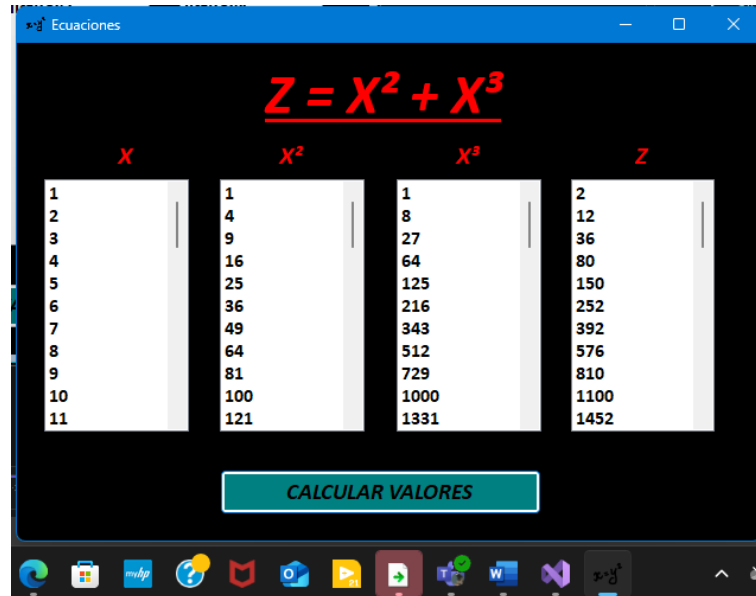
PRACTICA 8

Este programa escribe el factorial de un número:



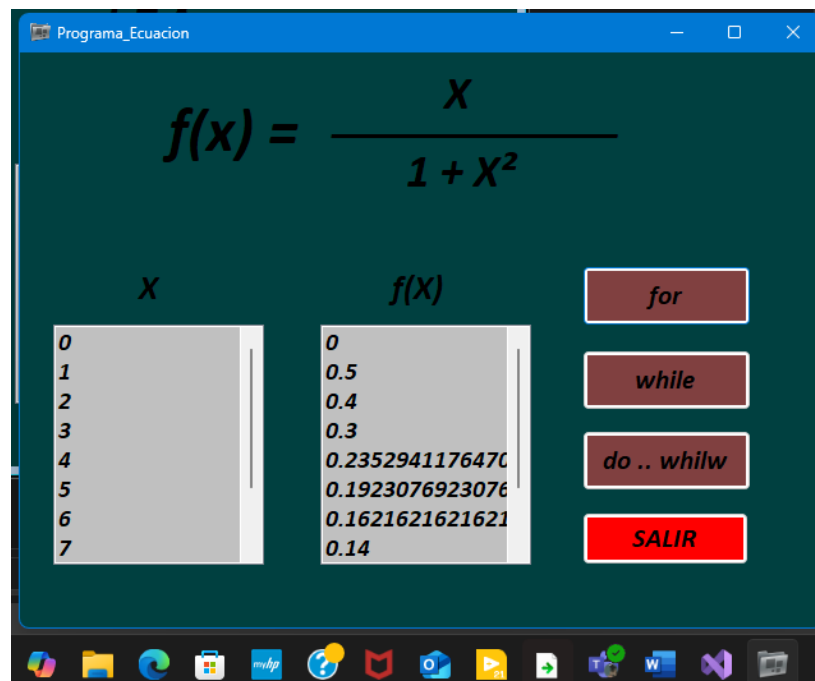
PRACTICA 9

Calcular 50 valores para una ecuación:



PRACTICA 10

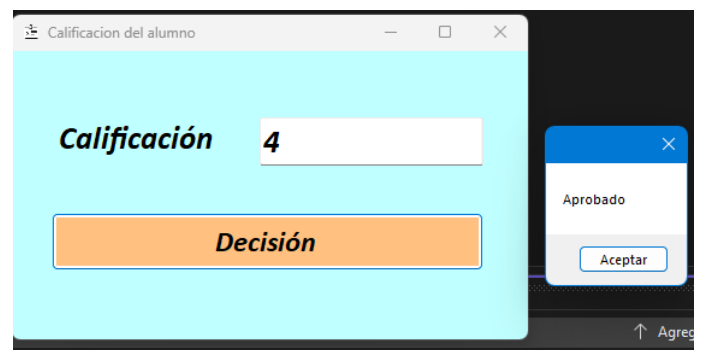
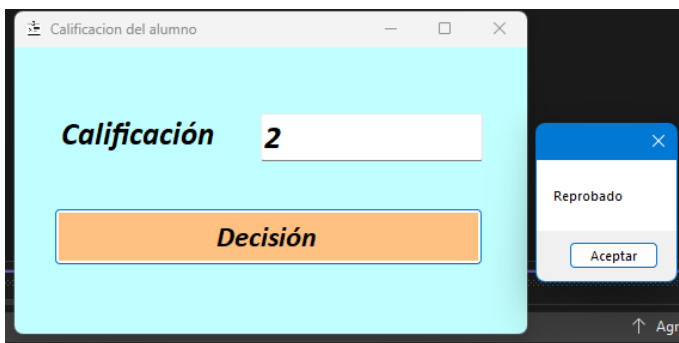
Este programa calcula 10 valores de una Ecuación:



3. Estructura Selectiva VisualC.pdf

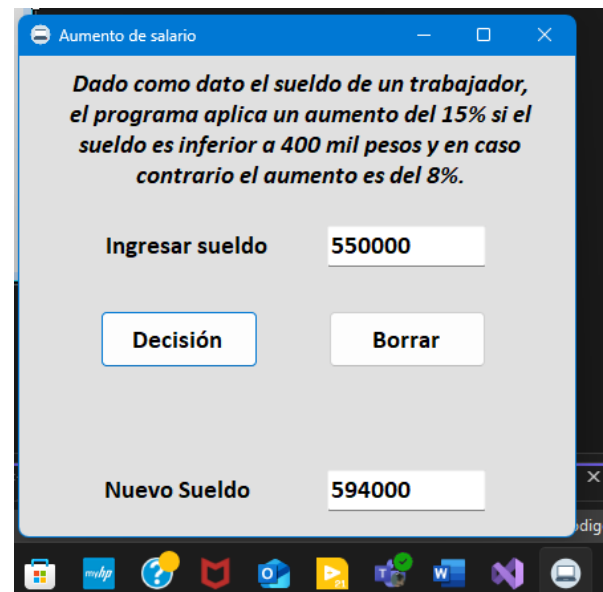
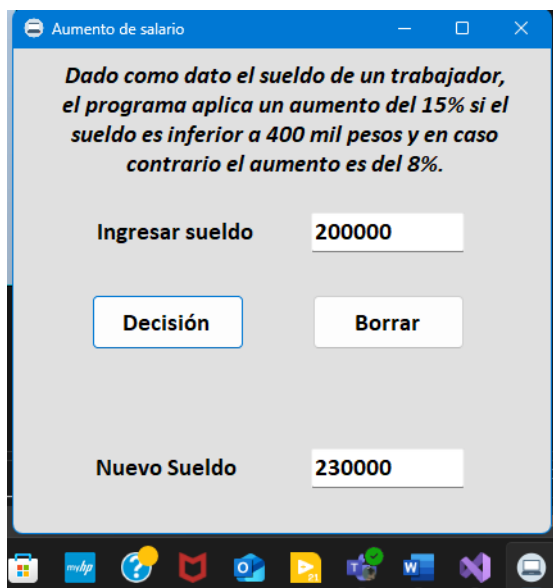
PRACTICA 1

Dada la calificación de un alumno en un examen, escriba “Aprobado” si la Cal ≥ 3 y “Reprobado” en caso contrario:



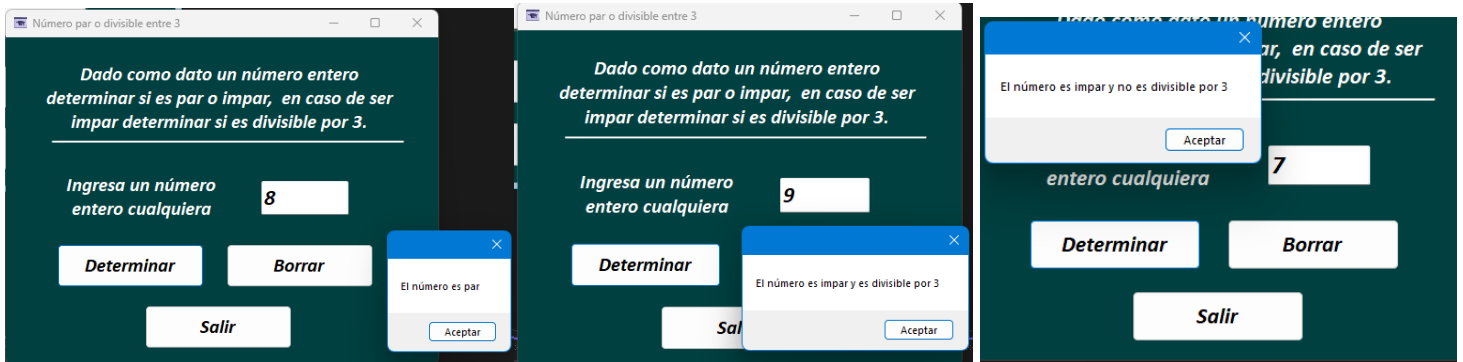
PRACTICA 2

Aumento del Salario:



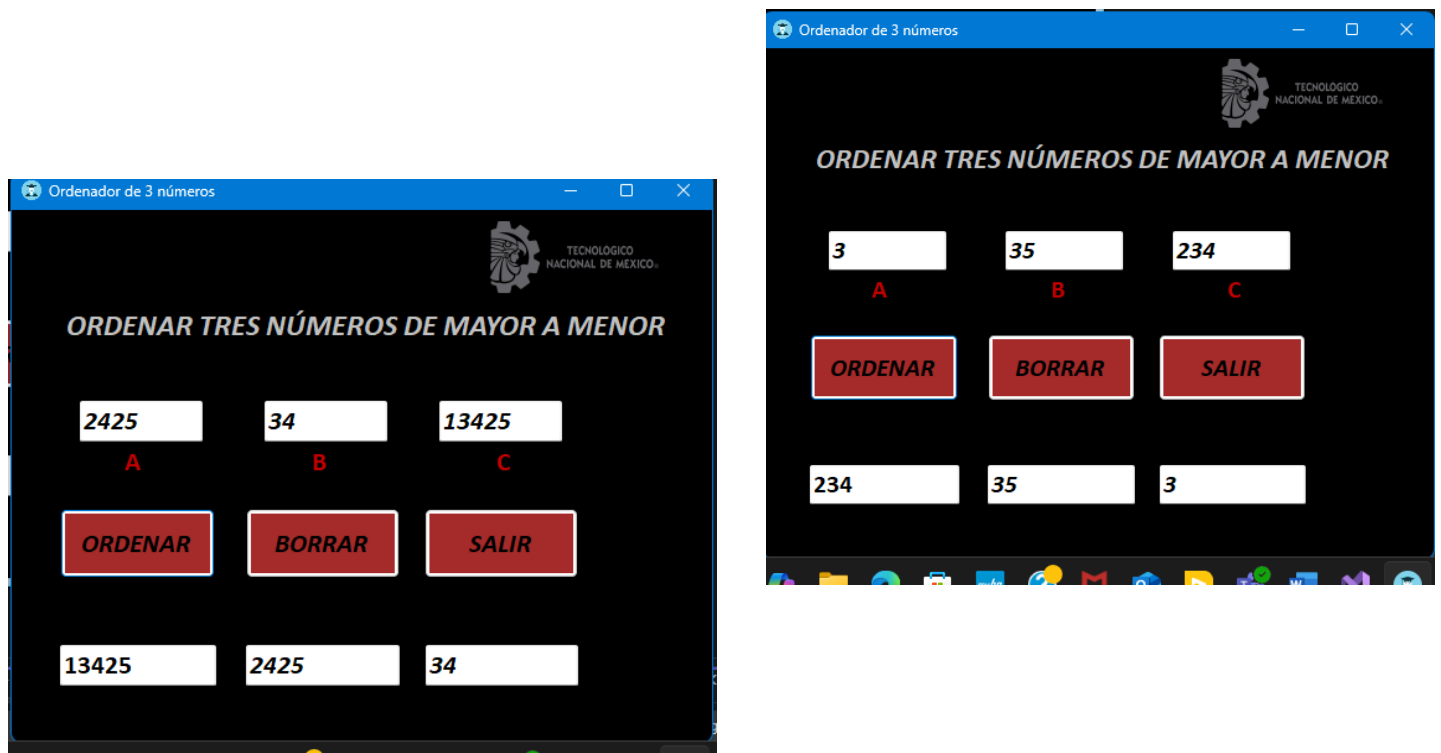
PRACTICA 3

Dado un número cualquiera determina si es par, en caso de no serlo determina si es divisible entre 3:



PRACTICA 4

Dados tres enteros distintos el programa los ordena de mayor a menor:



PRACTICA 5

Dadas las medidas de los lados de un triángulo este programa determina:

The image displays three sequential screenshots of a software application titled "Identificador de tipo de triángulo". Each screenshot shows the same interface with three input fields for side lengths (A, B, C), three buttons (DECISIÓN, BORRAR, SALIR), and a result field for the triangle type. To the right of the input area is a panel titled "Clases de triángulos" which includes a sub-header "Según sus lados" and three categories: EQUILÁTERO (three equal sides) with a blue triangle icon, ISÓSCELES (two equal sides) with a green triangle icon, and ESCALENO (three different sides) with a red triangle icon.

Screenshot 1: Side lengths are all 3. The result is "Equilatero".

Screenshot 2: Side lengths are 6, 7, and 4. The result is "Escaleno".

Screenshot 3: Side lengths are 3, 4, and 3. The result is "Isosceles".