

TECLADOS CASEROS



HOY

- **¿En qué estoy ocupando mi tiempo hoy?**
- **¿Necesito optimizar mi tiempo ?**
- **¿En qué quiero ocupar mi tiempo?**

¿Que es una interfaz?

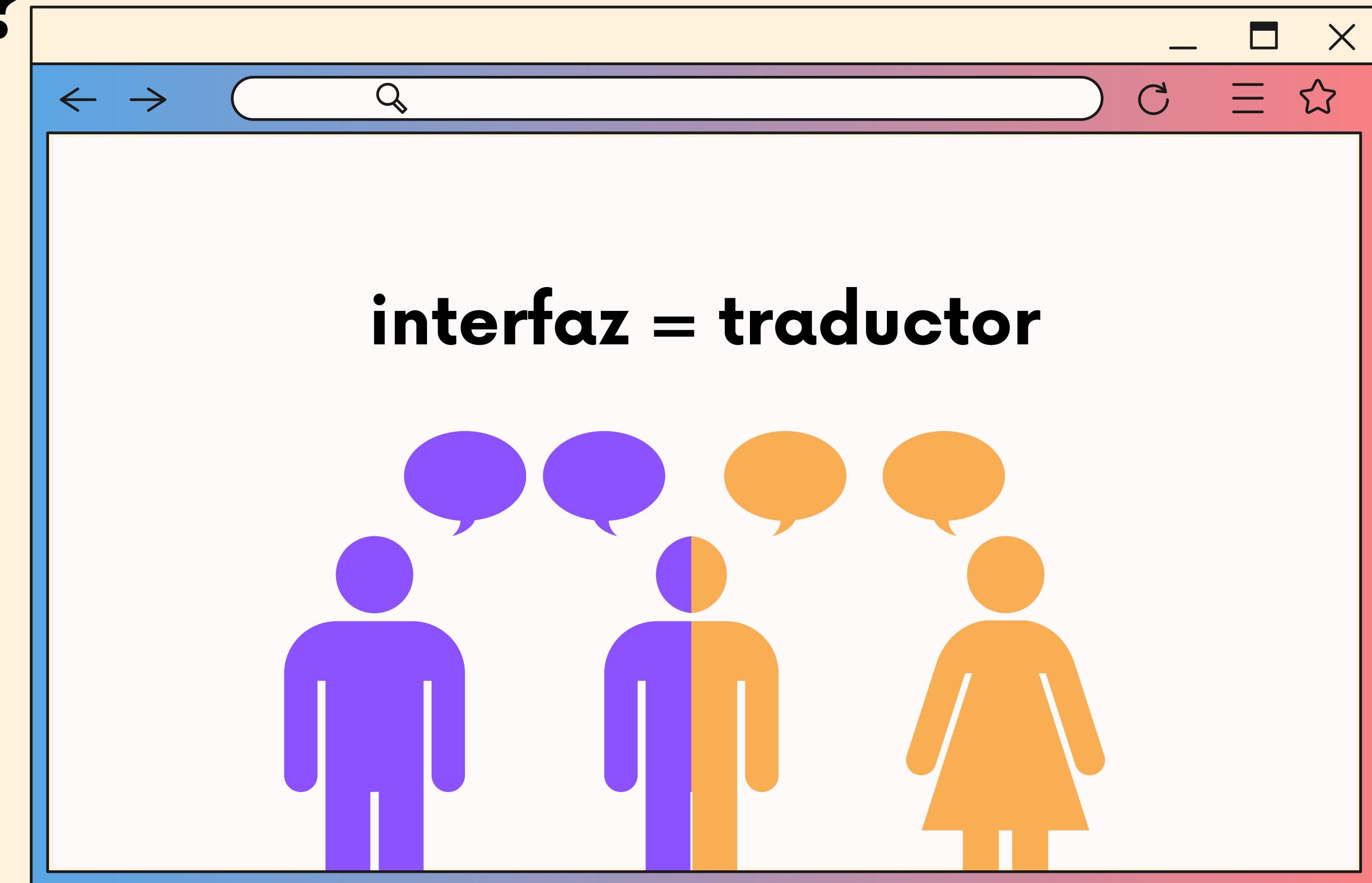
The image shows a web browser window with a light beige background. At the top is a blue header bar with standard browser icons: back, forward, search, refresh, and menu. Below the header is a white content area containing the following text:

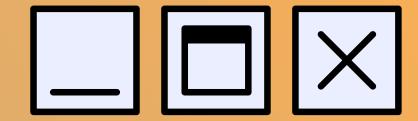
"una herramienta mediante la cual dos interlocutores se comunican"

At the bottom left of the content area, the word "interfaz" is followed by the word "sonido" in a bold, black font.

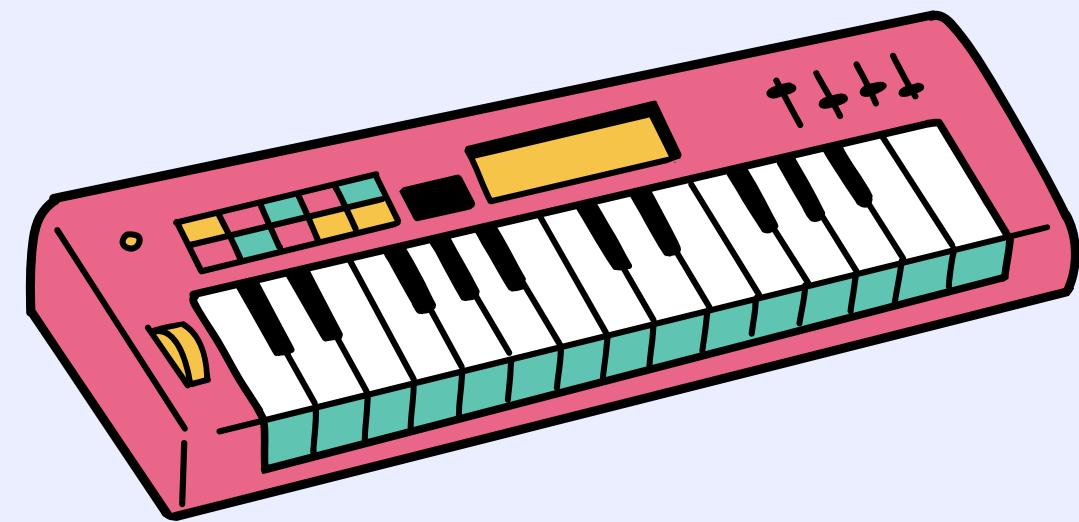
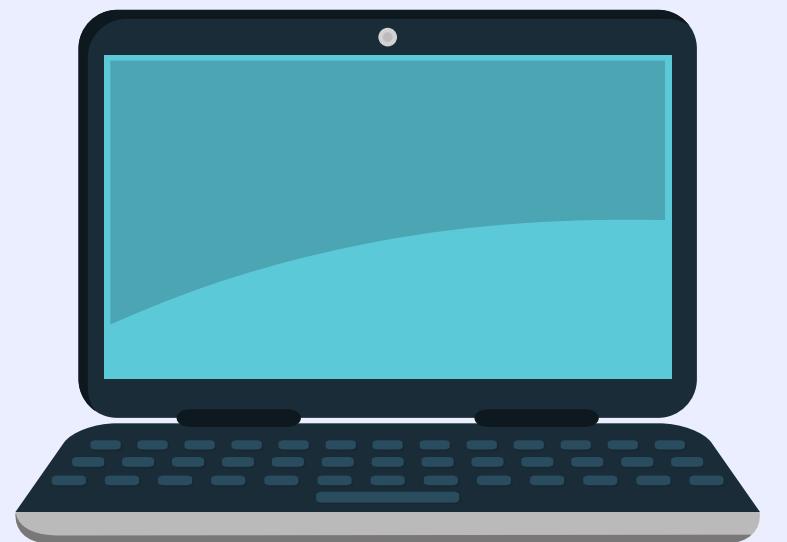
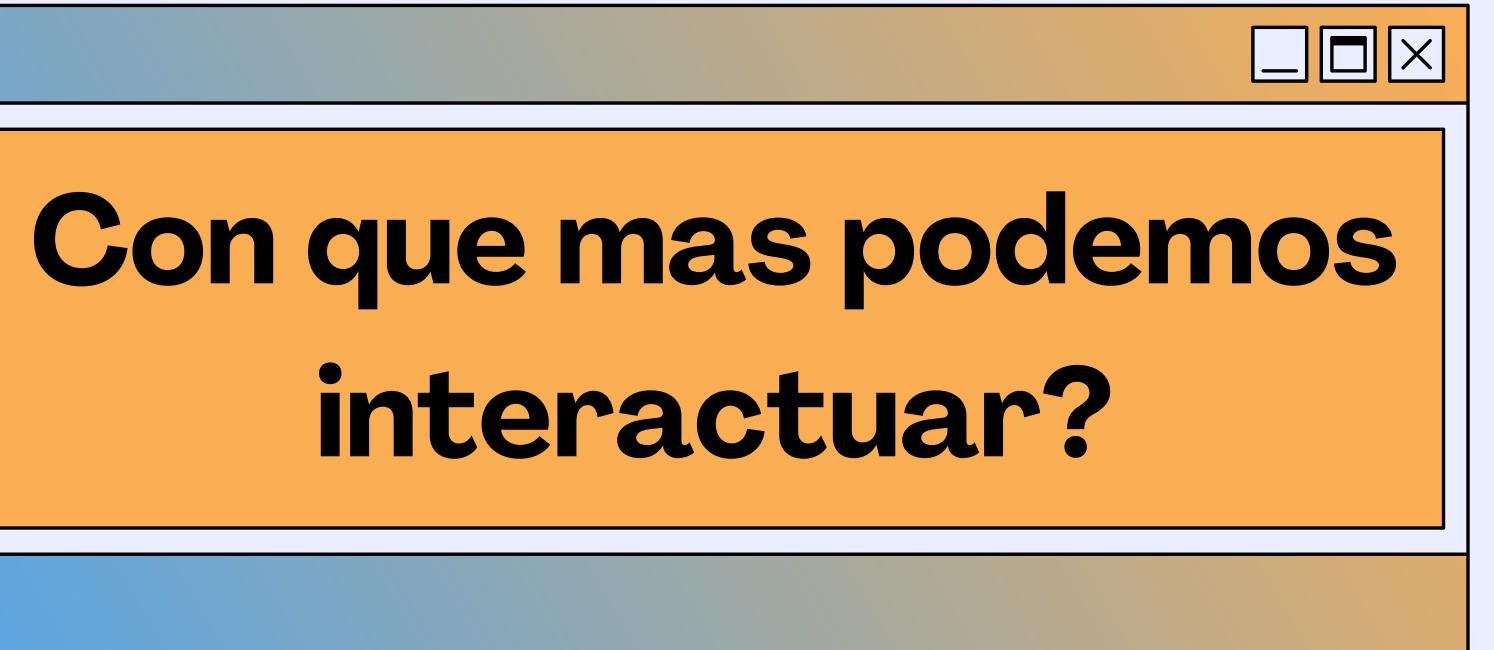
On the right side of the content area, there are two purple, stylized human figures. Each figure has a speech bubble above their head, also colored purple. The male figure is on the left and the female figure is on the right.

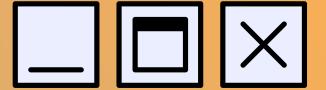
¿Qué es una interfaz?





**¿Con qué interactuamos
diariamente?**

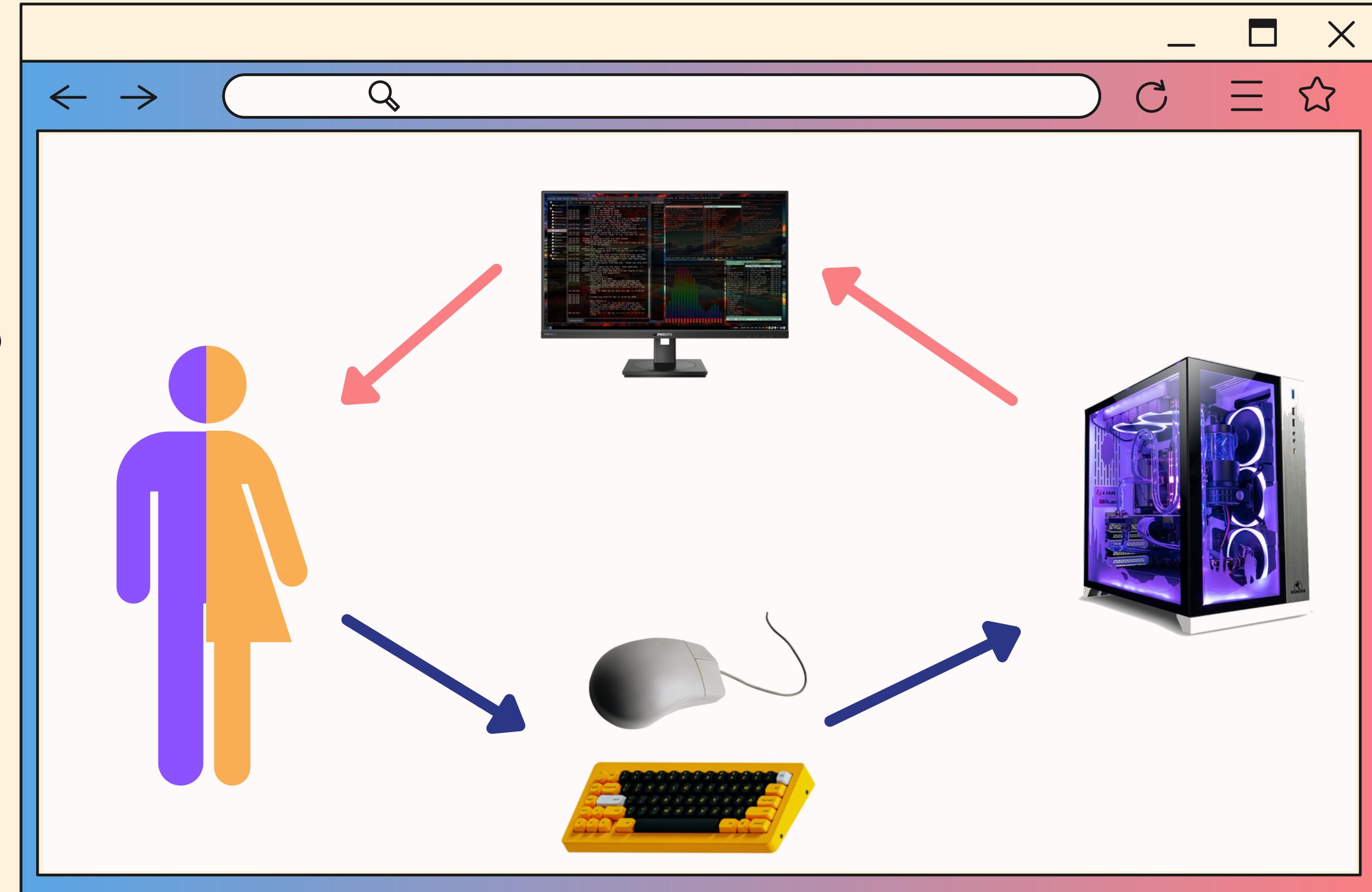




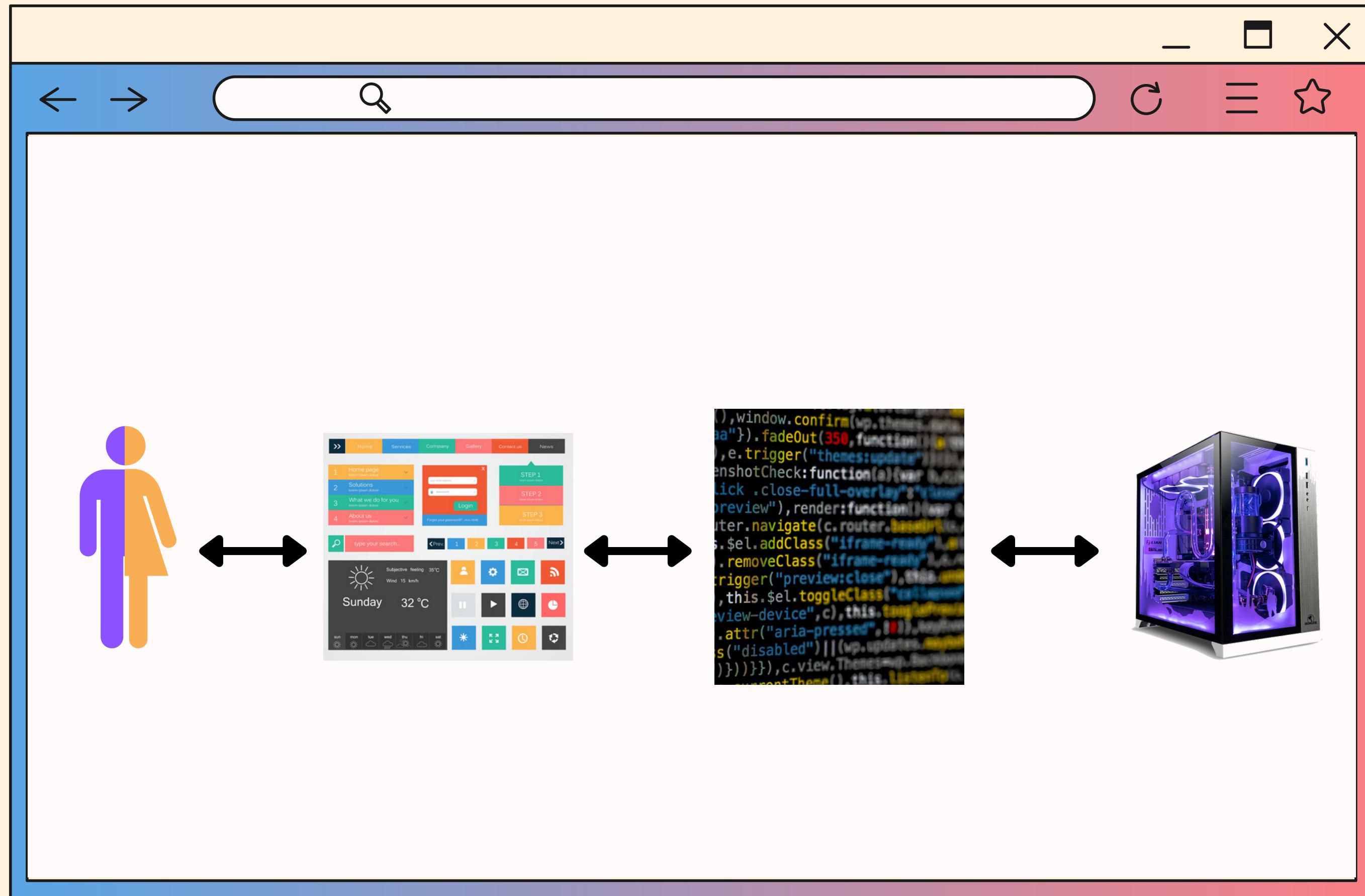
Como interactuamos con un computador?



Interfaces de usuario

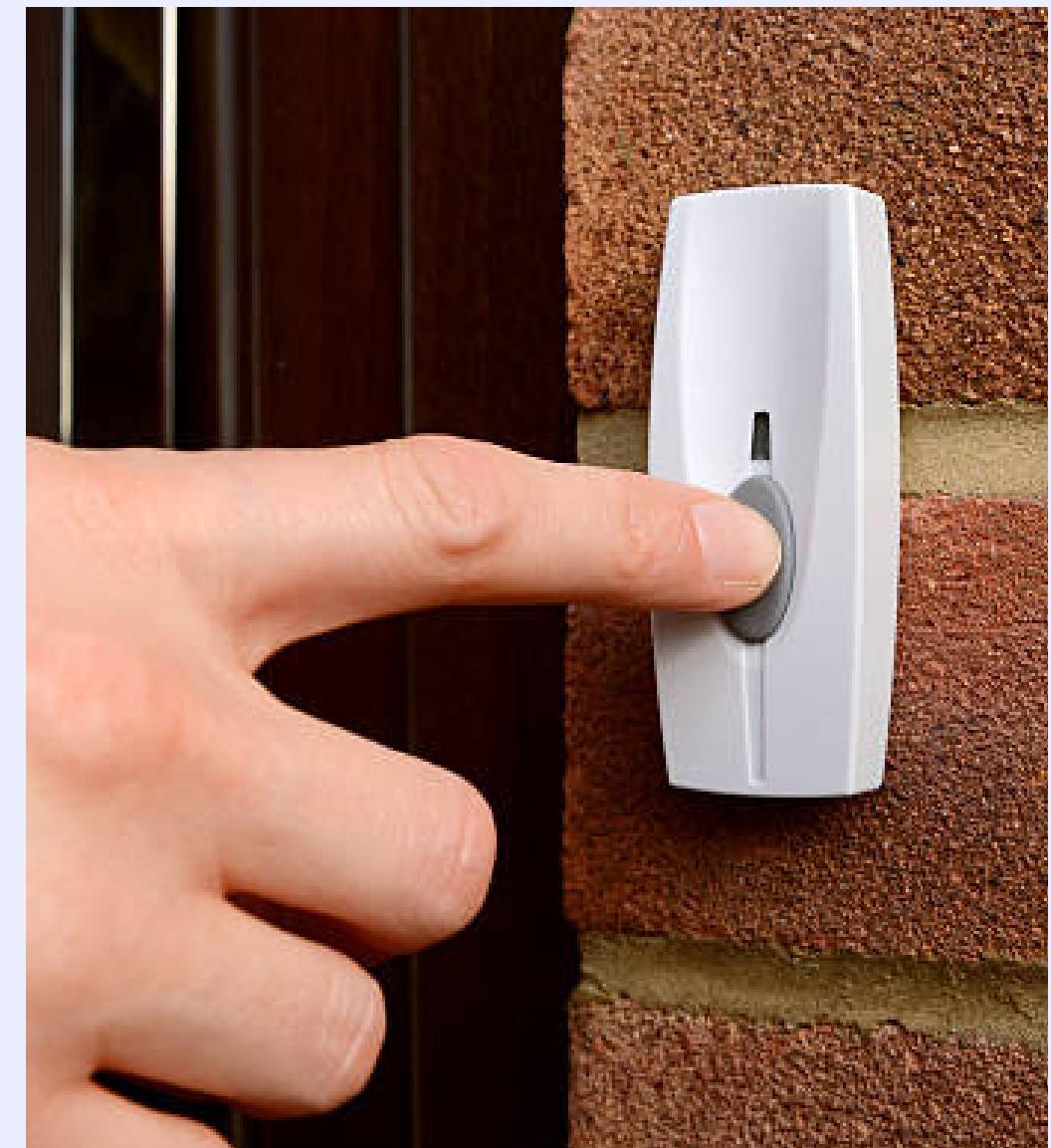


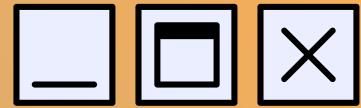
Interfaces gráficas





INTERFACES COMUNES





INTERFACES PERSONALIZADAS







TRACKBALL



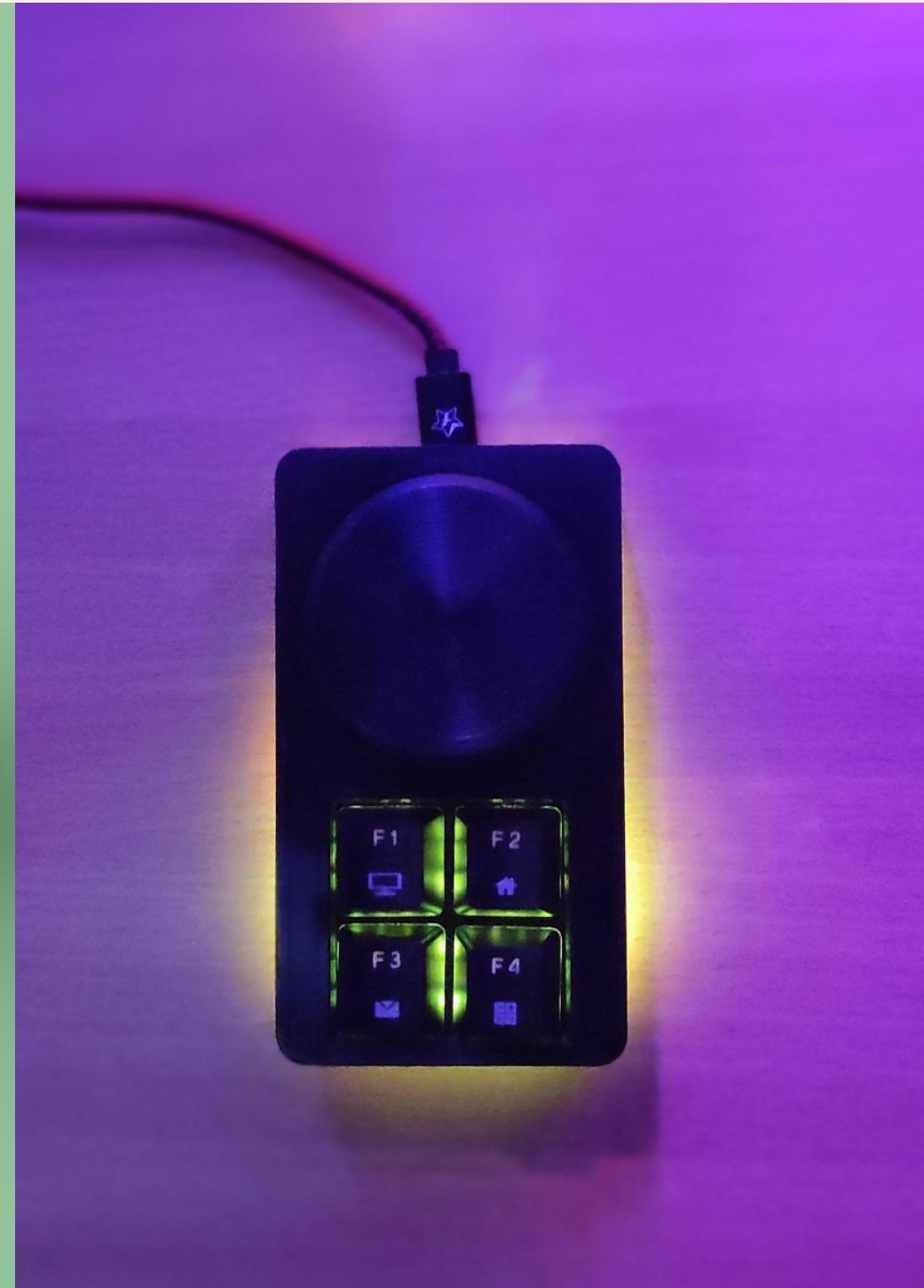
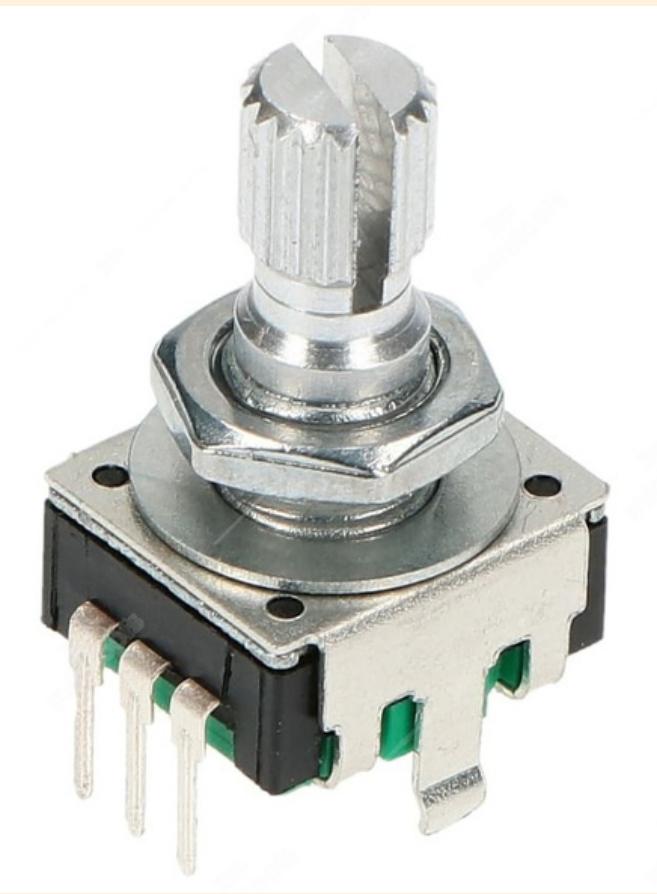


"the matrix" - 1999

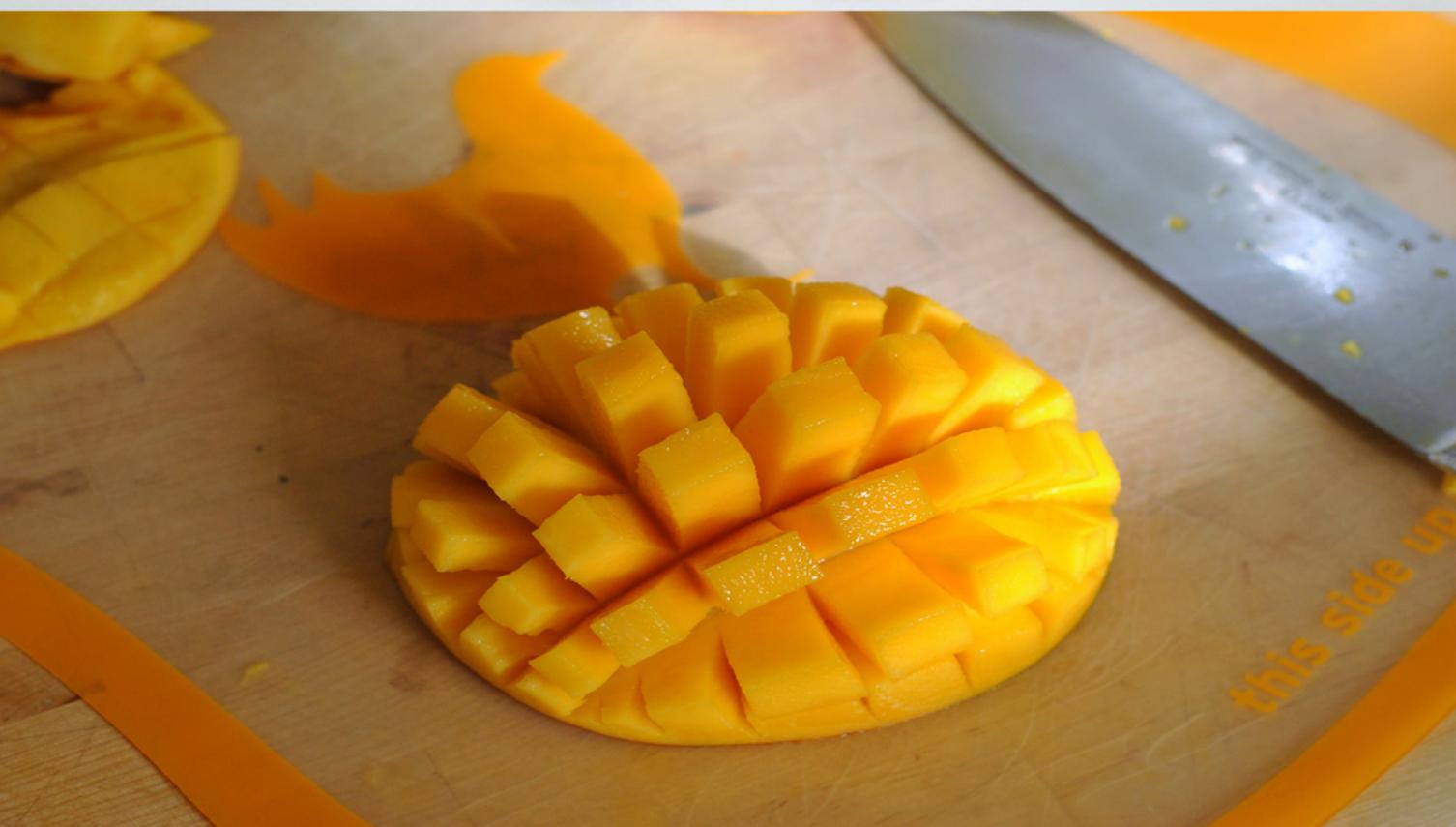
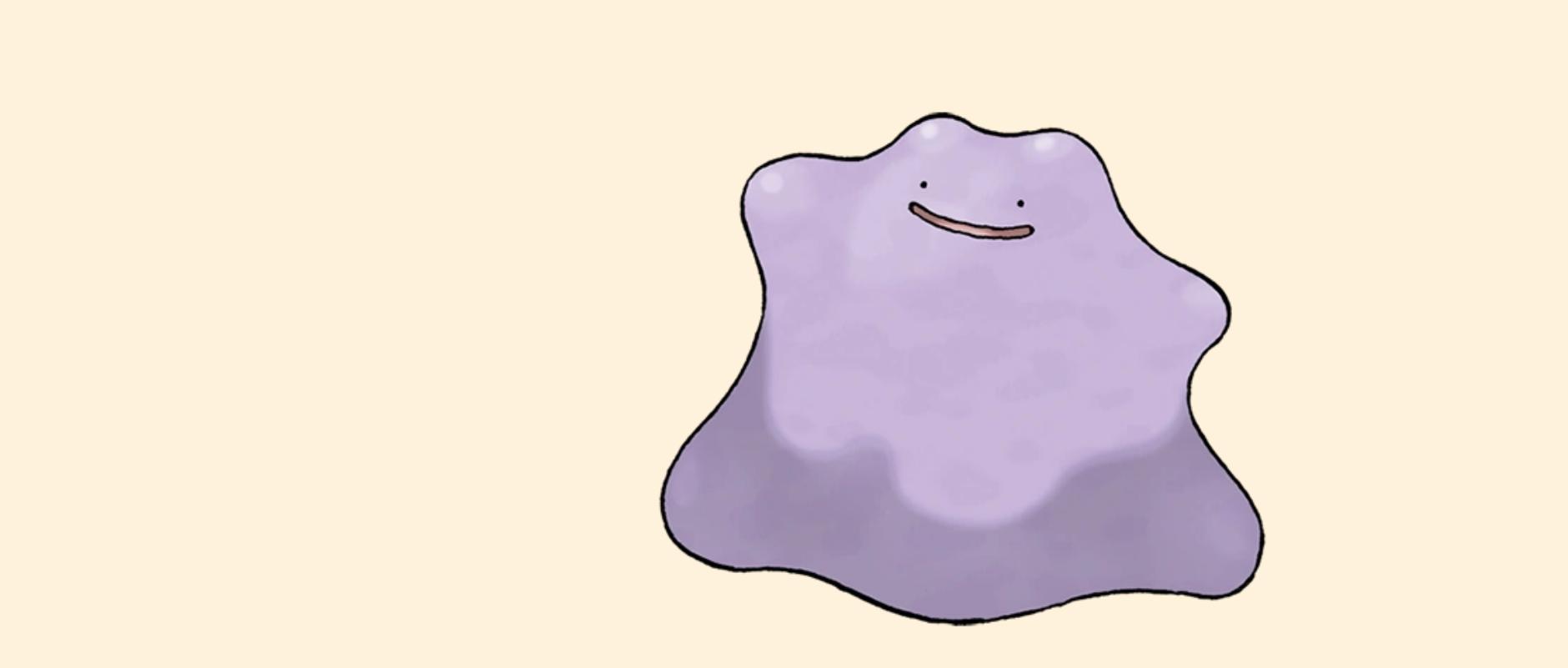
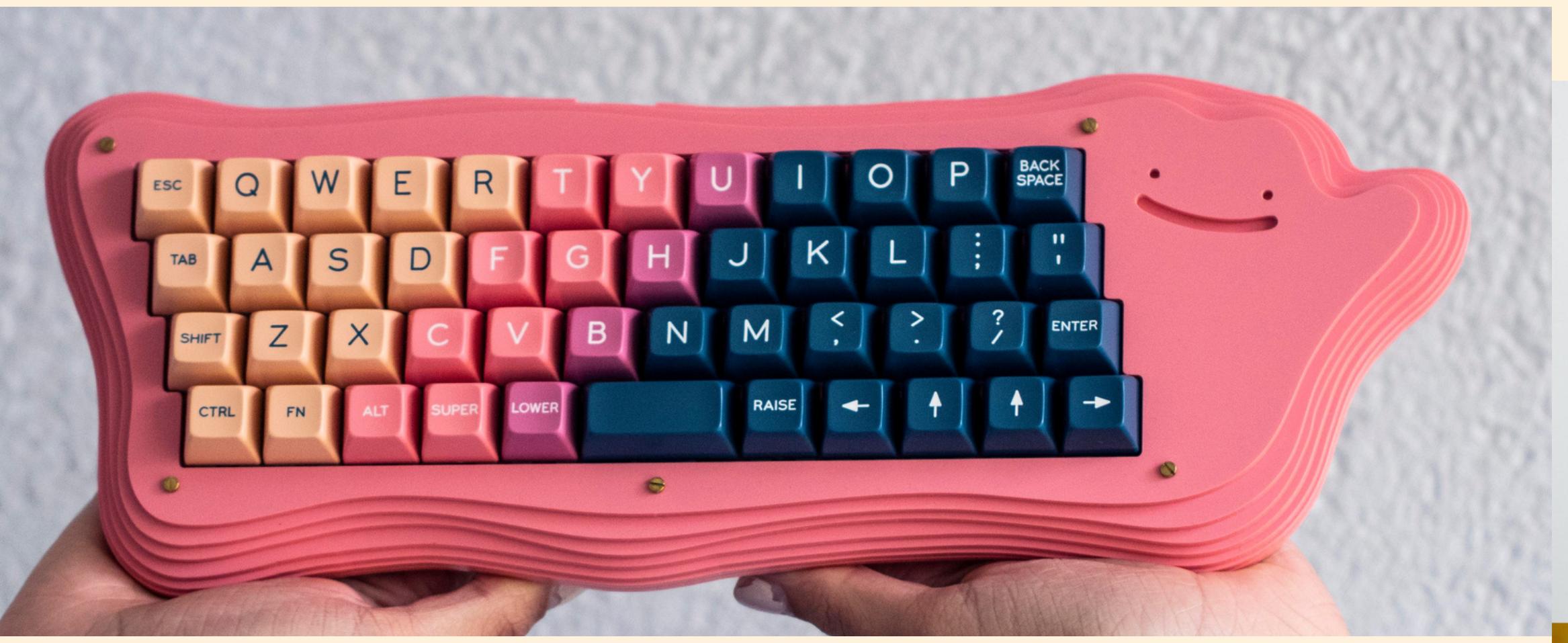


"ghost in the shell" - 1995

ENCODER





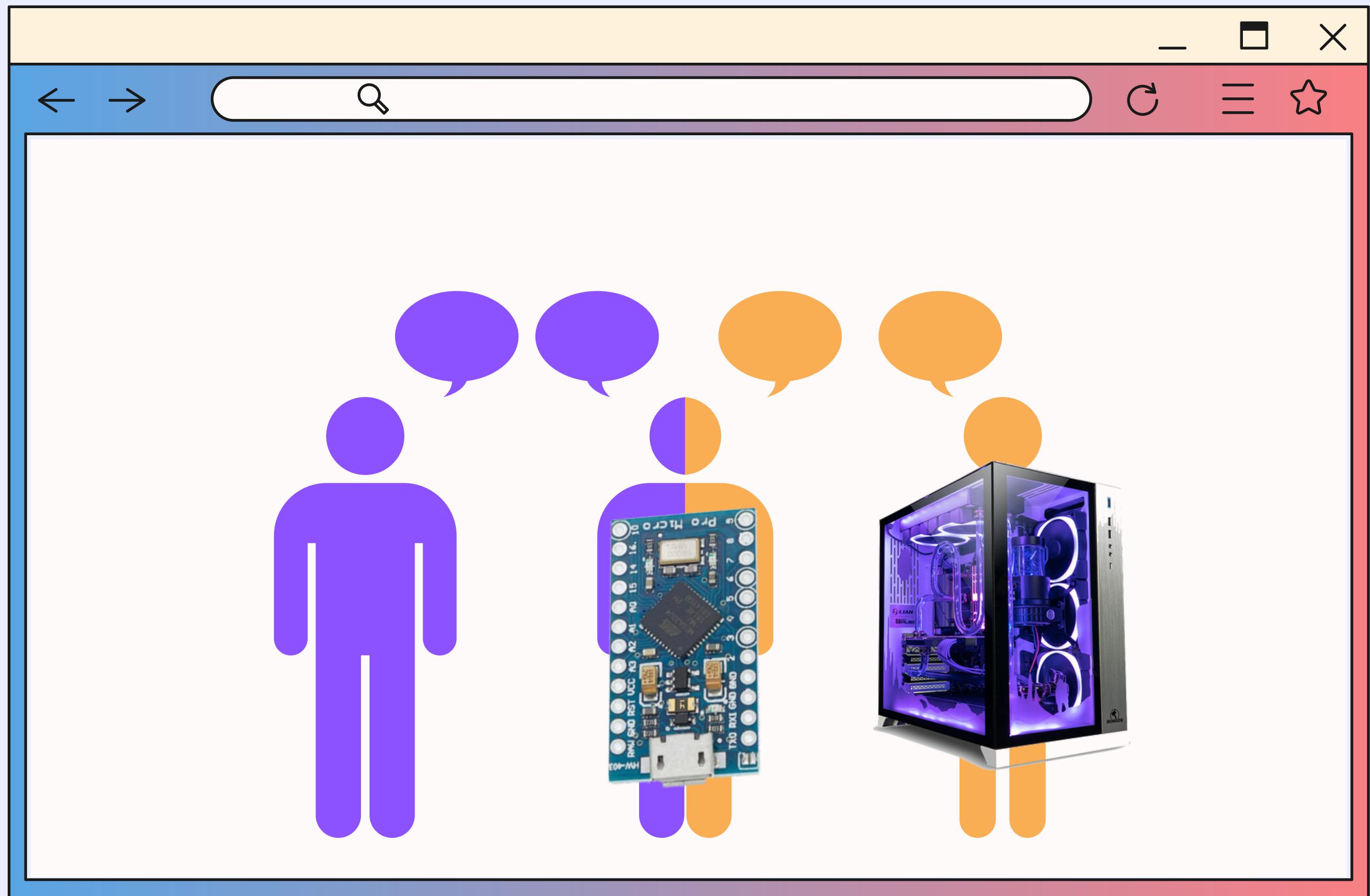












humano

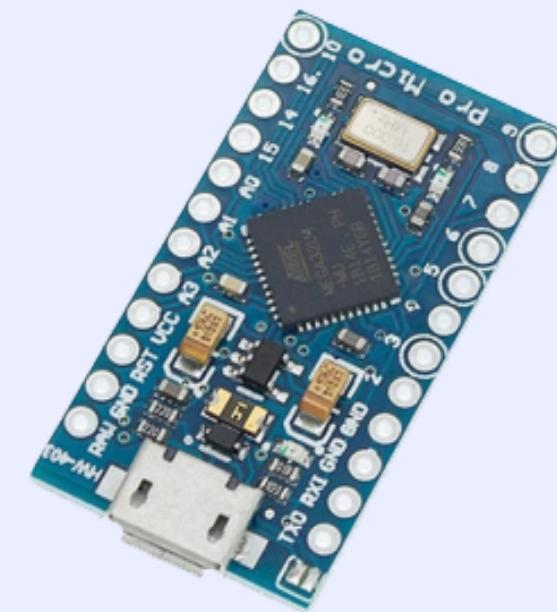
traductor

hardware

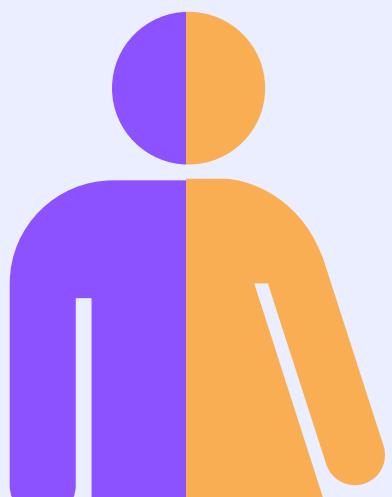
SENSORES



ARDUINO



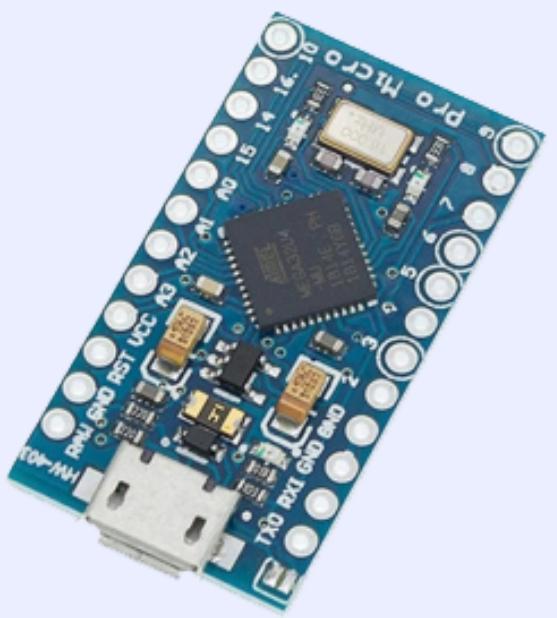
USUARIO



SENSORES



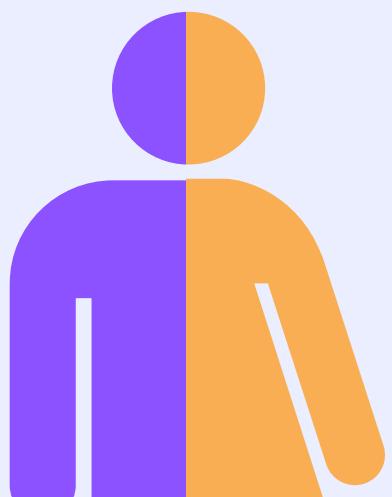
ARDUINO



PC



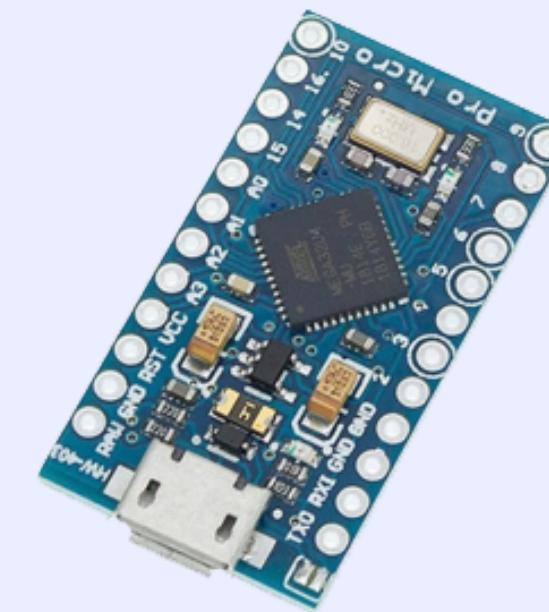
USUARIO



SENSORES



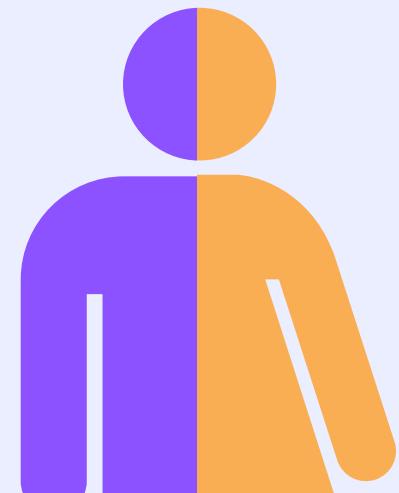
ARDUINO



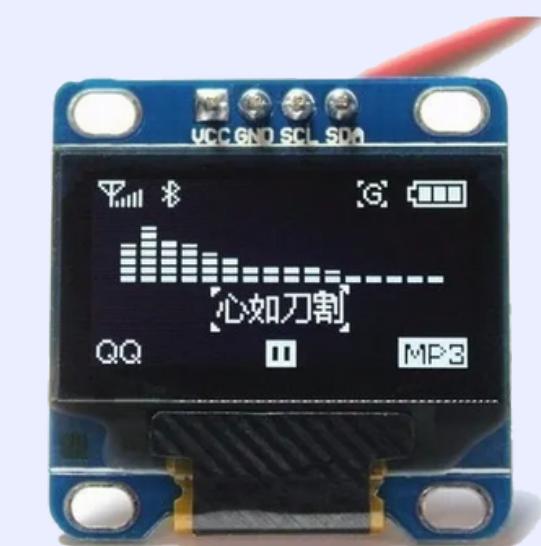
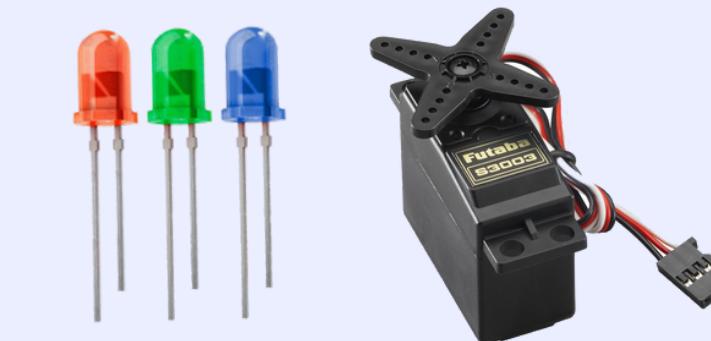
PC

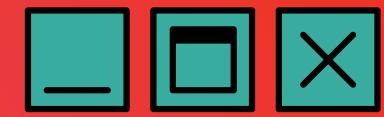


USUARIO

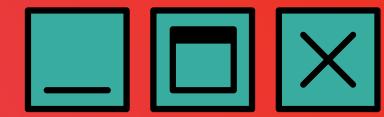


ACTUADORES

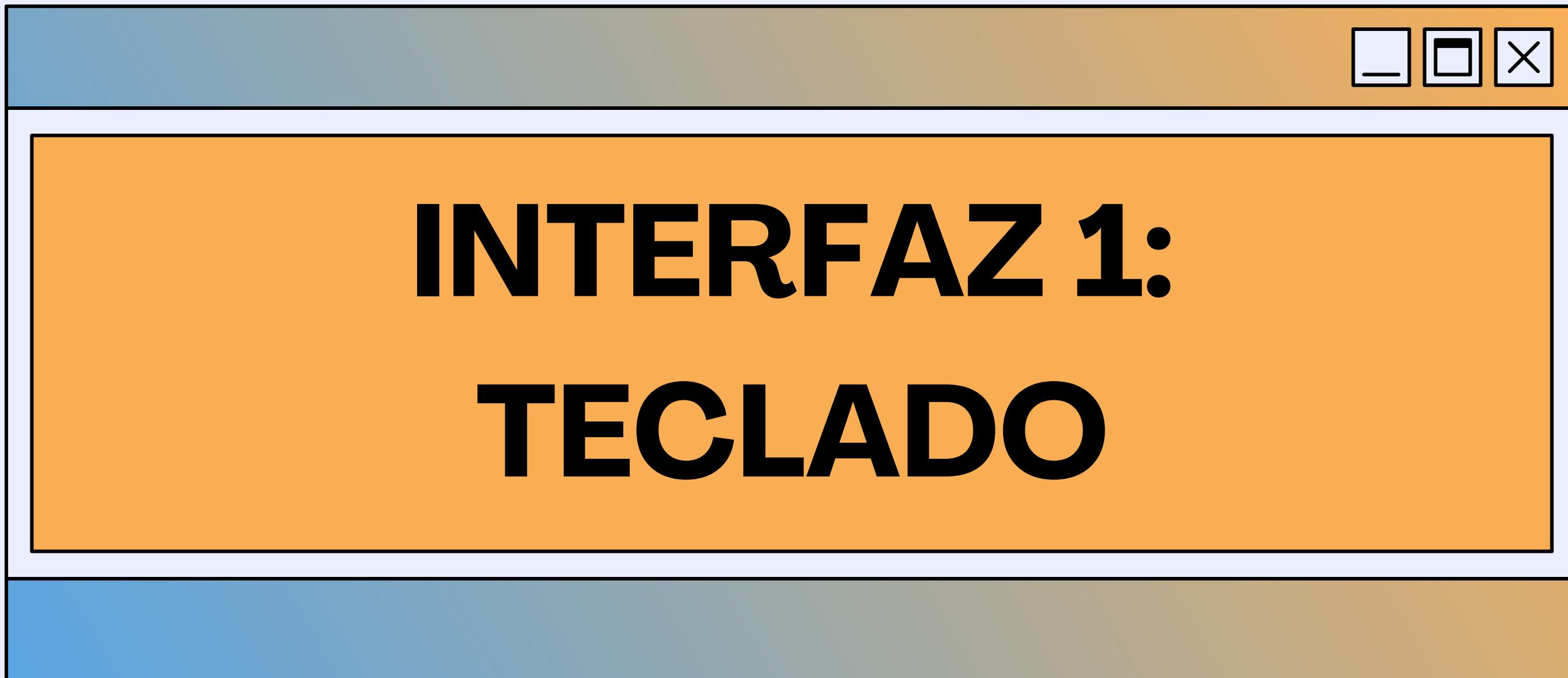




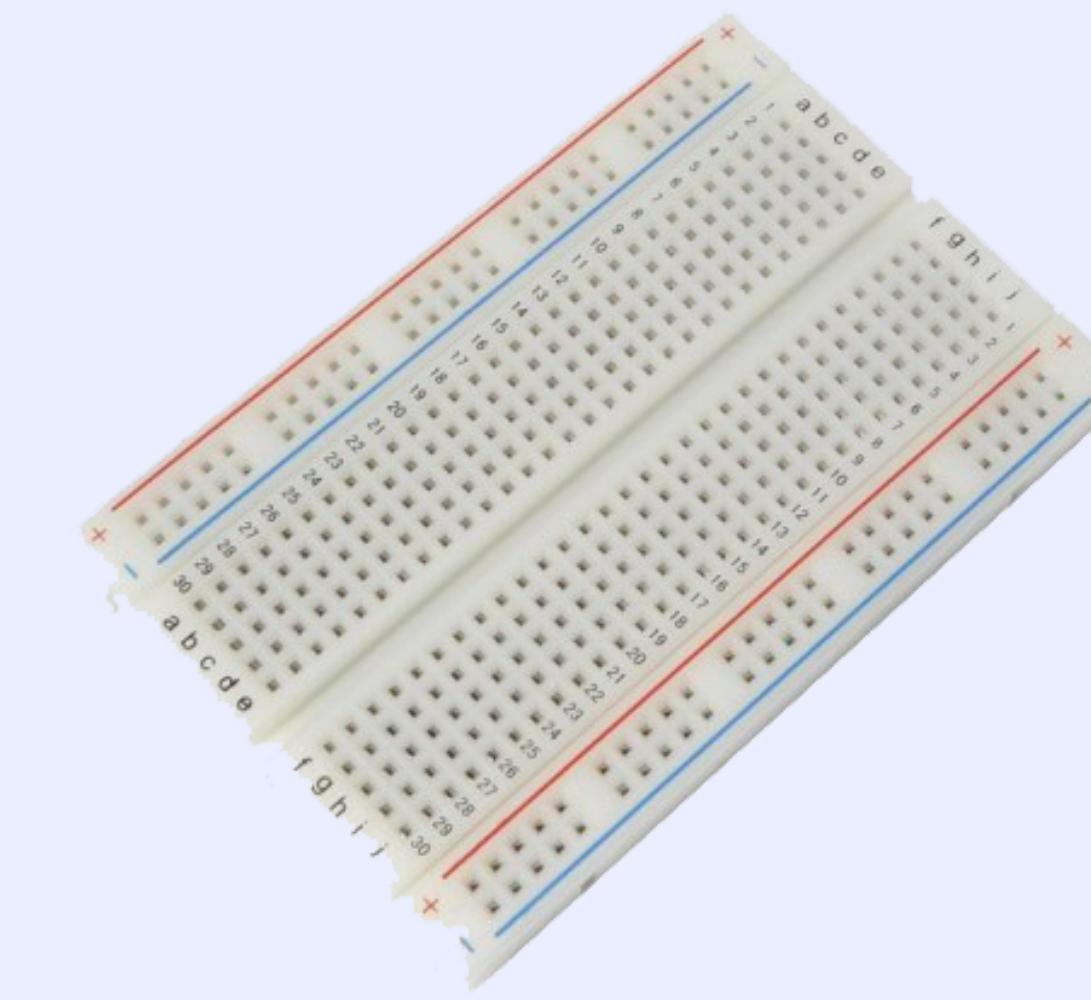
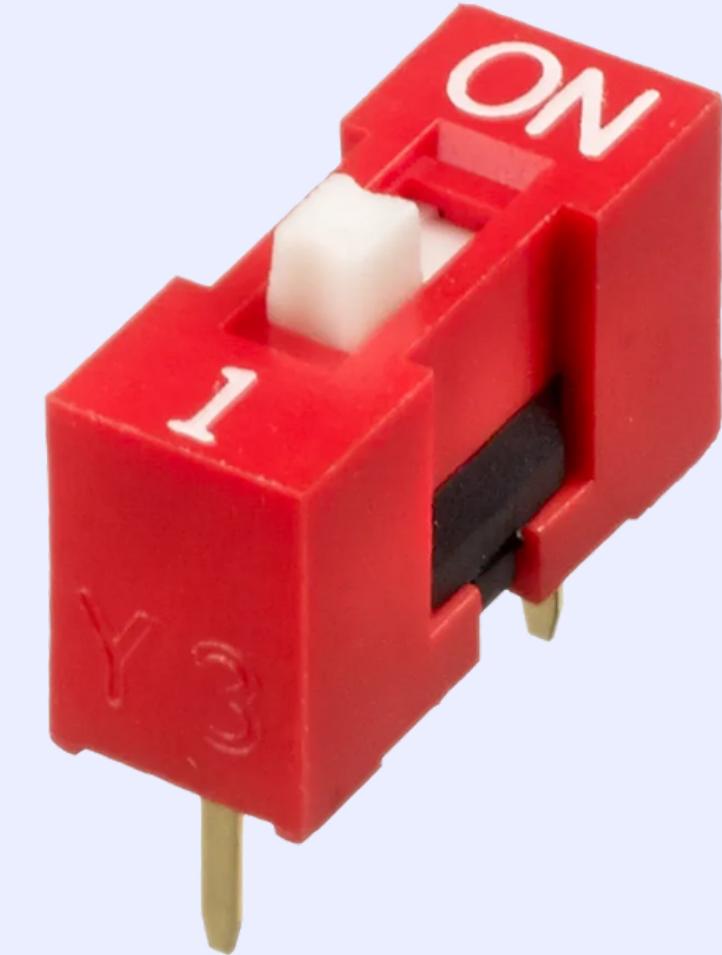
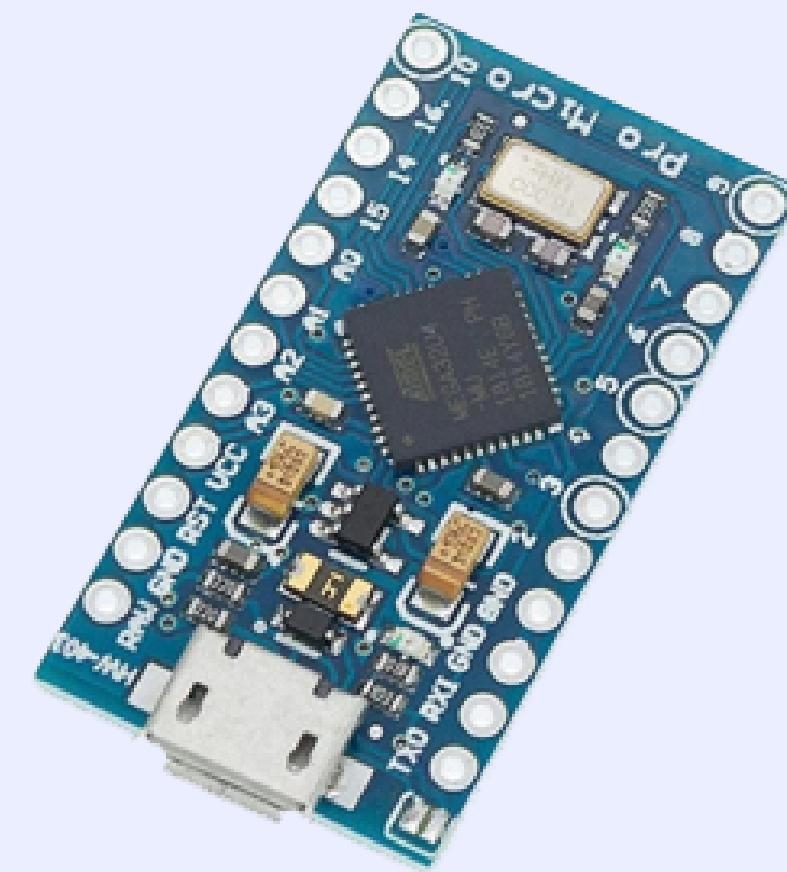
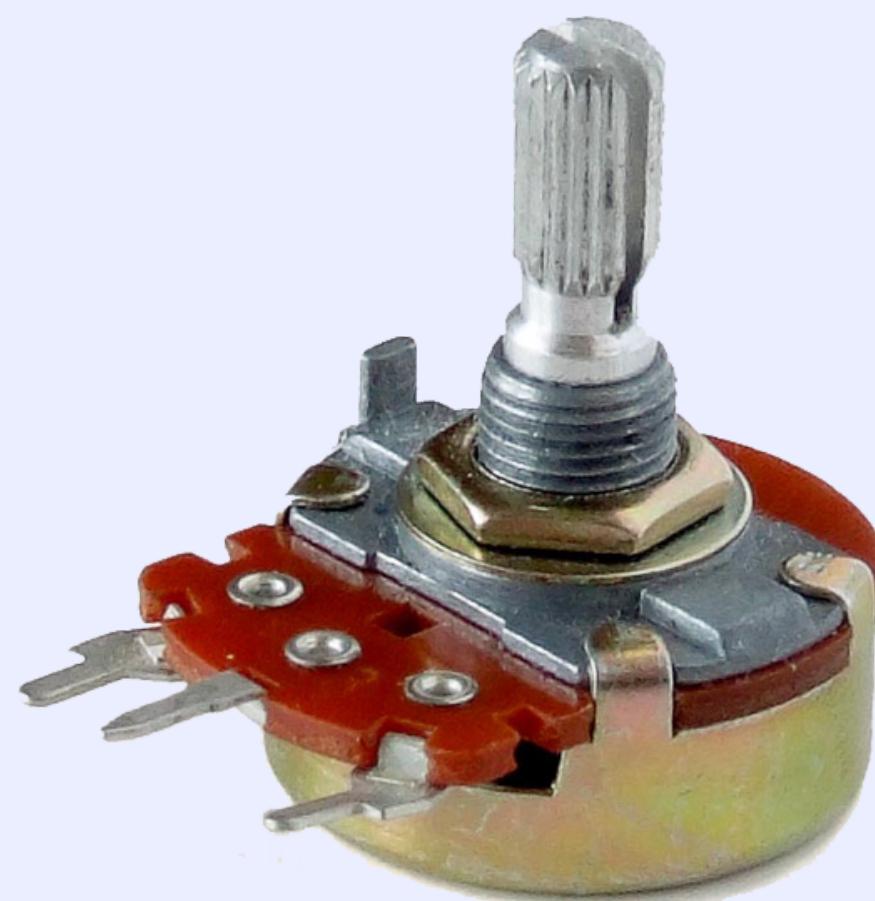
**BREAK
BREAK
BREAK**

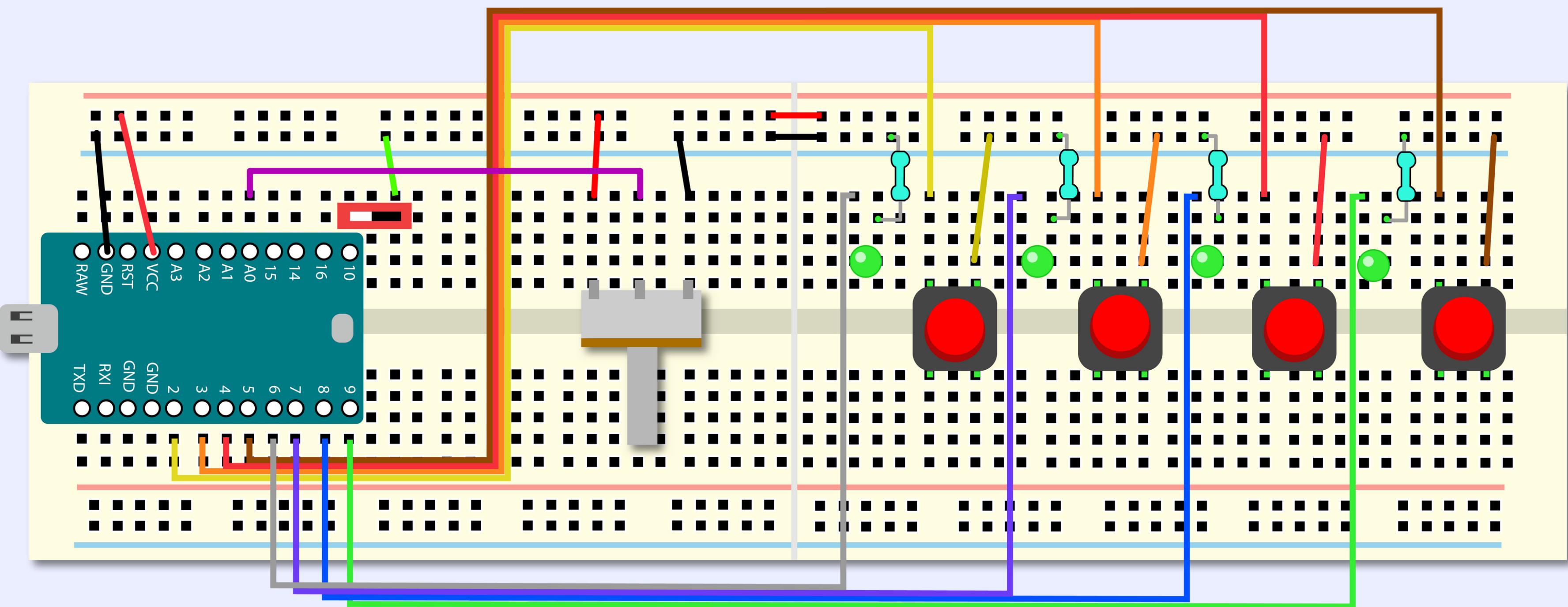
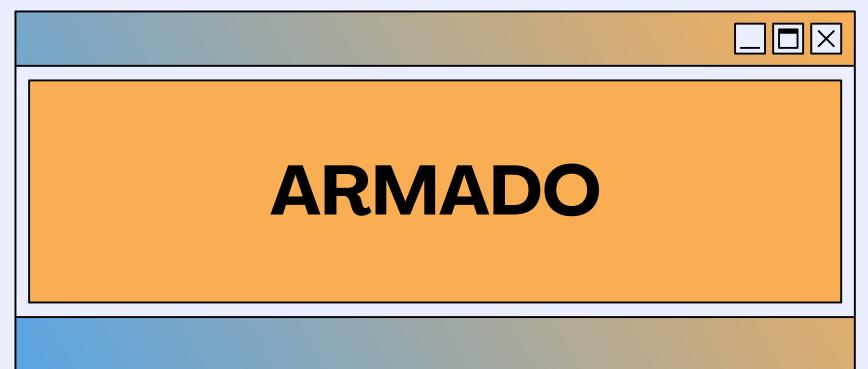


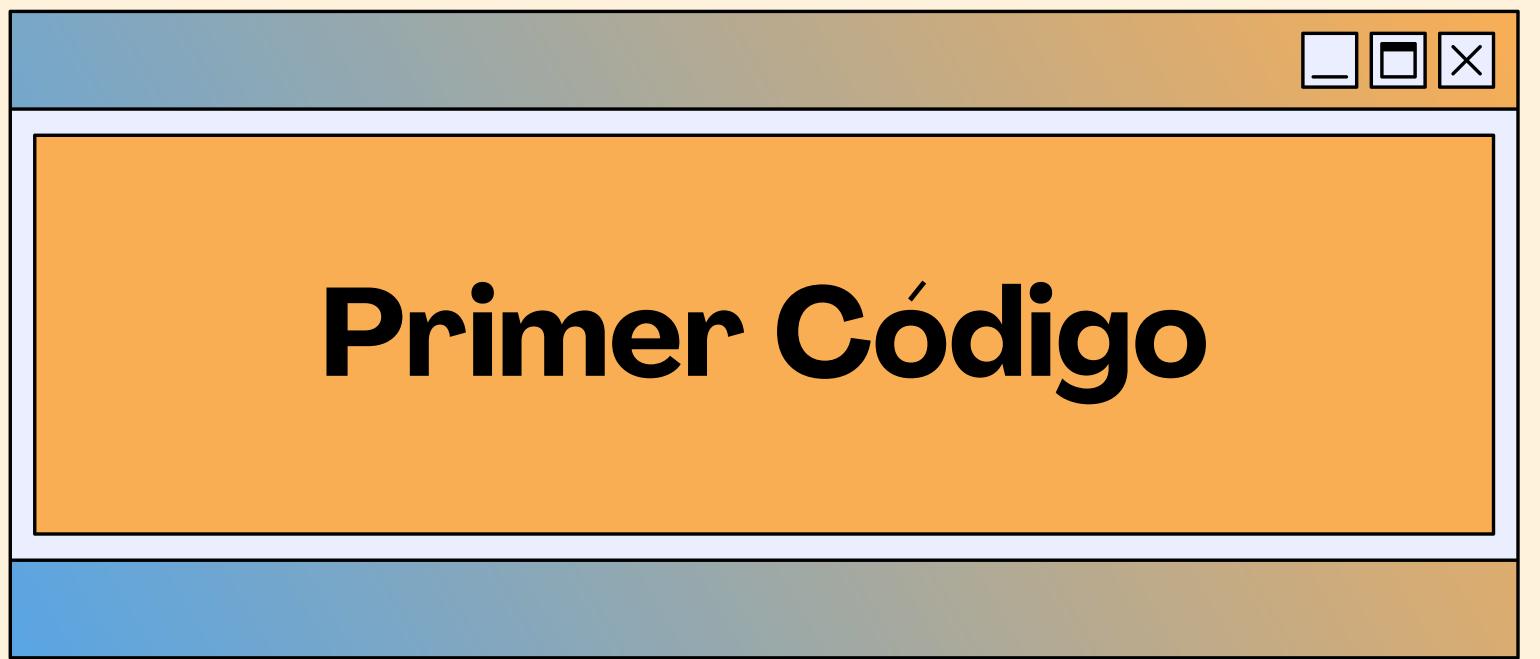
ACTIVACIÓN MOTORA



MATERIALES









// Switch - Case

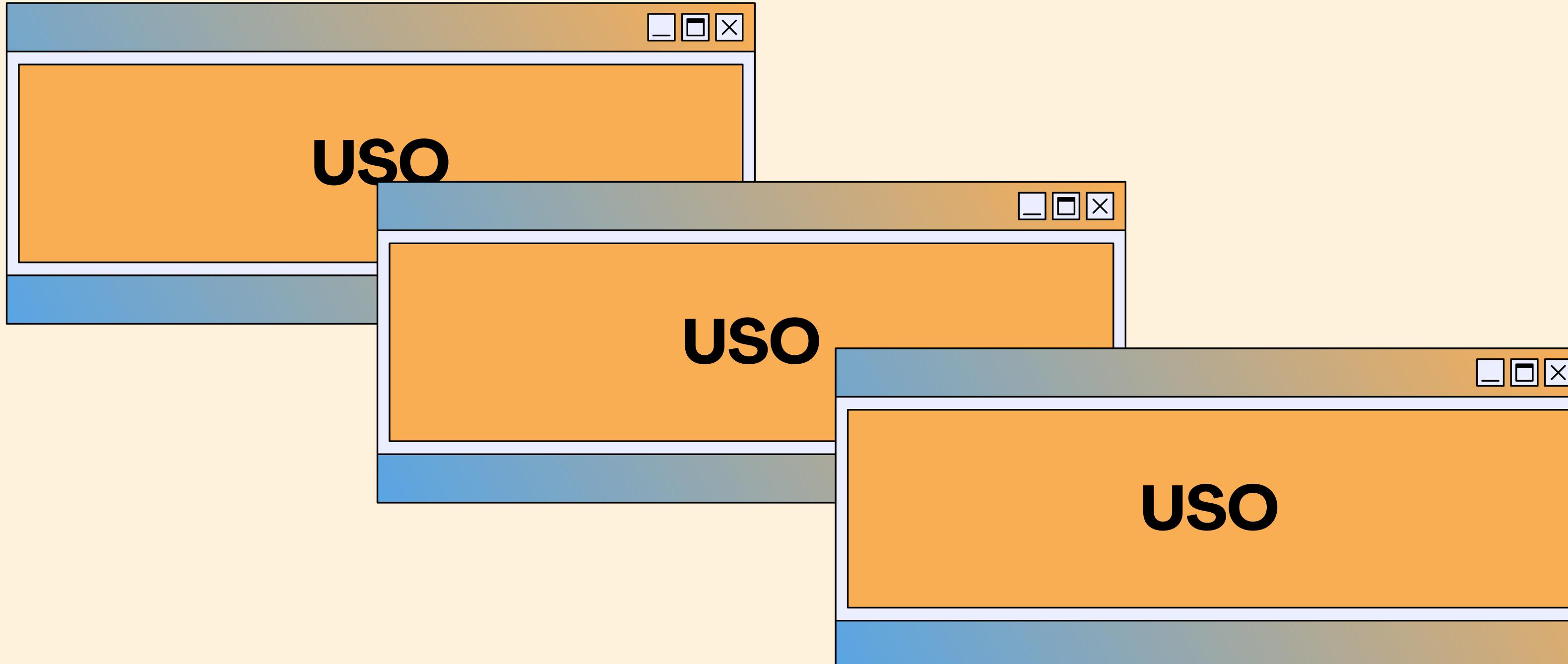
```
switch(i){  
    case 0:  
        // Instrucciones  
        break;  
  
    case 1:  
        // Instrucciones  
        break;  
  
    case 2:  
        ...  
}
```



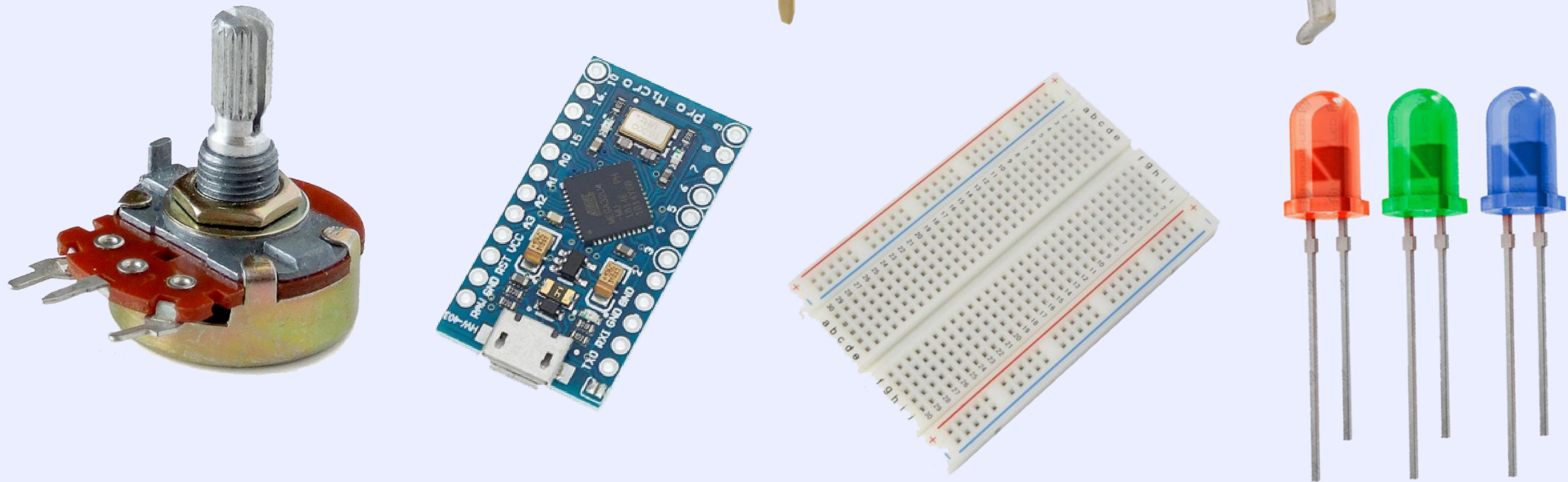
// Funciones de la librería

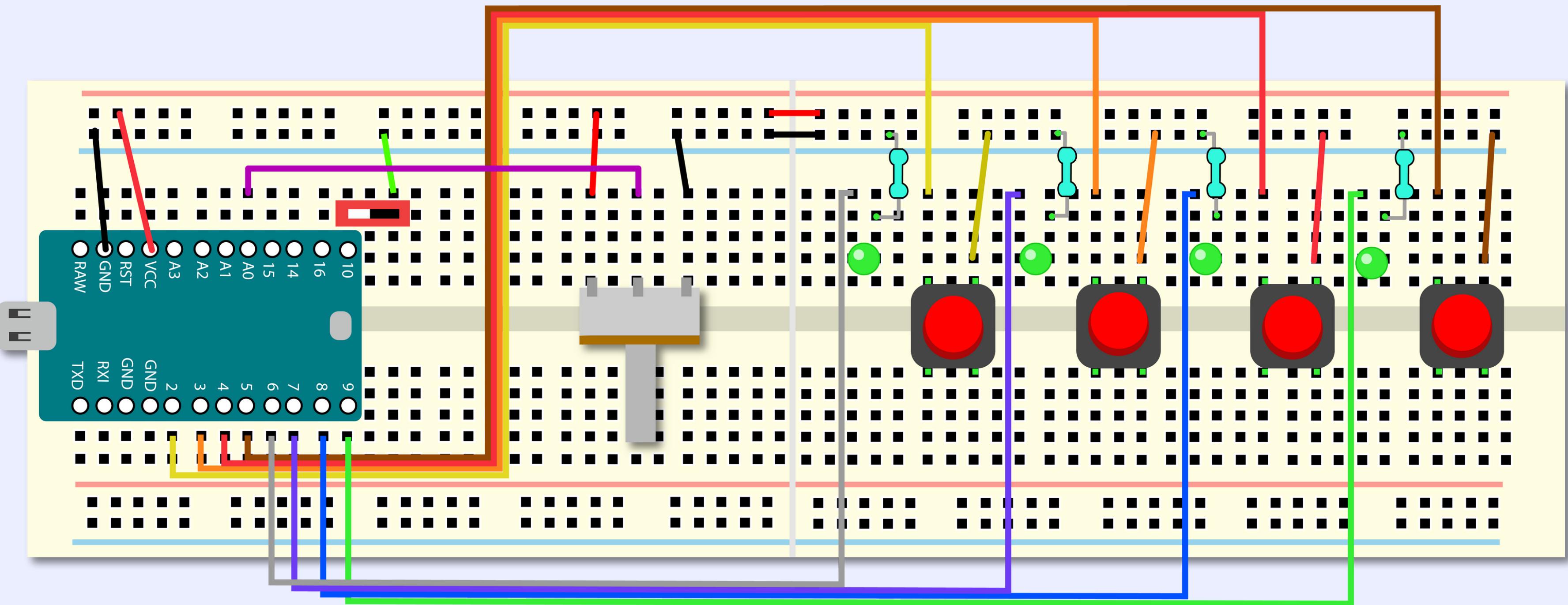
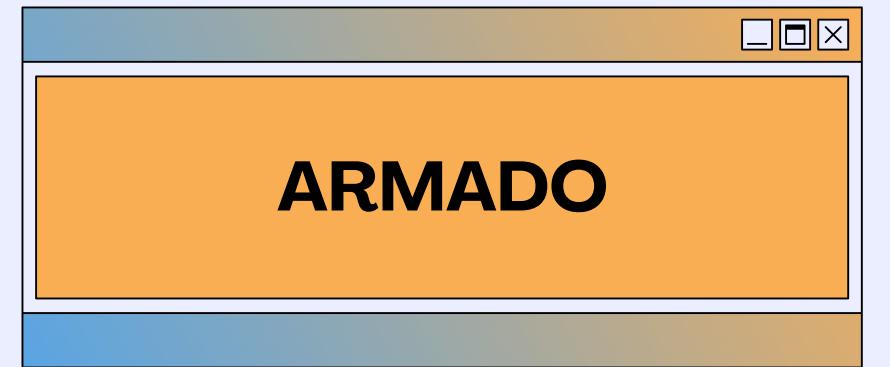
Keyboard.print(texto); //imprime texto

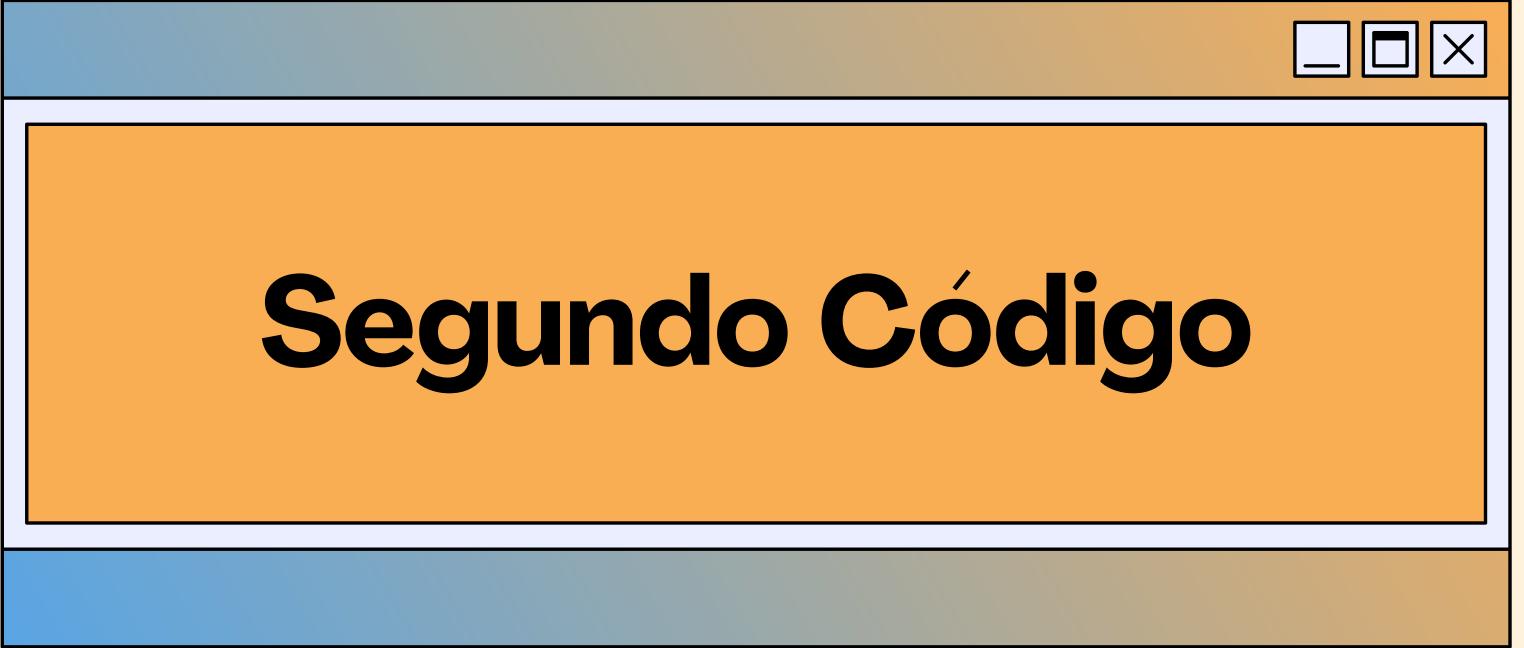
Keyboard.println(texto); //imprime texto con un salto de
línea



MATERIALES







Segundo Código



**ABRAMOS EL
CÓDIGO!**

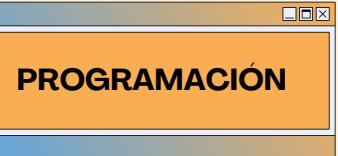


// Funciones de la librería

Keyboard.press(boton); //presiona un boton del teclado

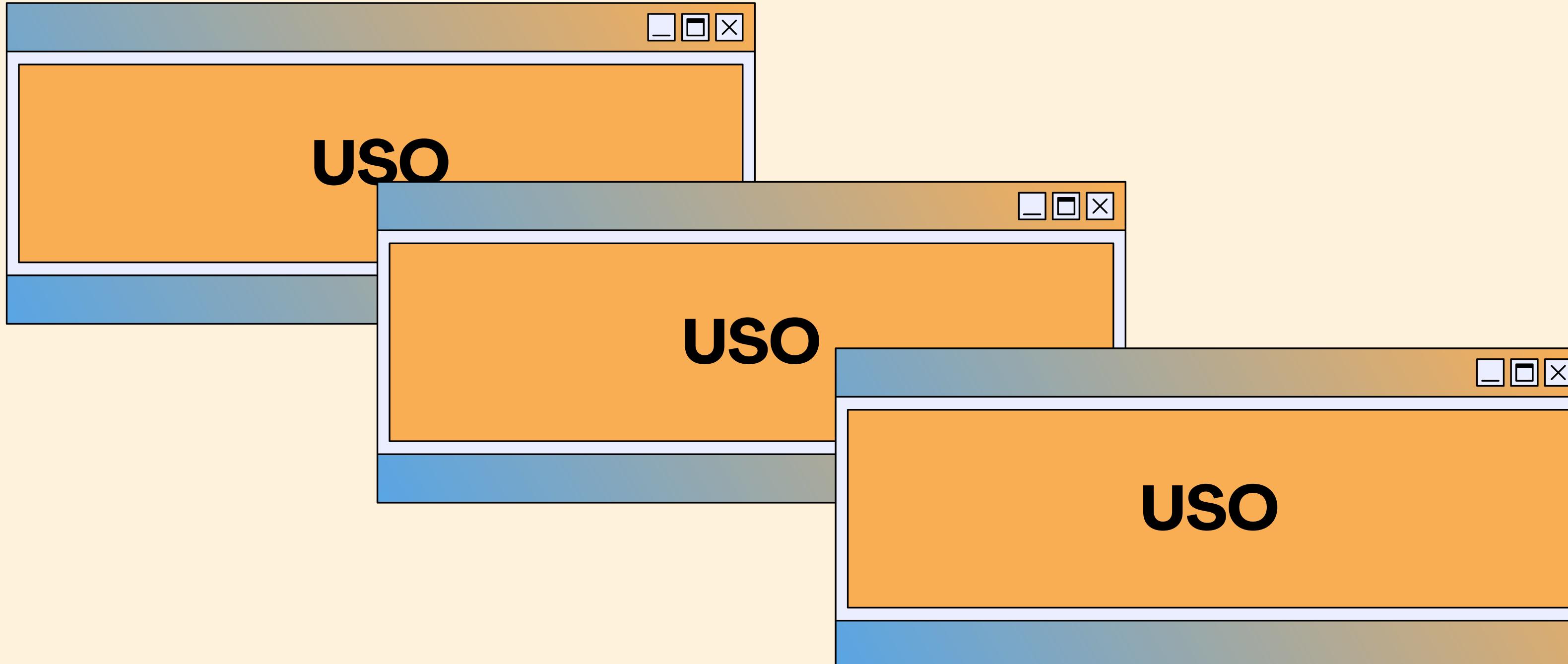
Keyboard.release(boton); //Libera un boton del teclado

Keyboard.releaseAll(); //Libera todos los botones



// BOTONES DISPONIBLES

<https://www.arduino.cc/reference/en/language/functions/usb/keyboard/keyboardmodifiers/>



TOP 14 PC SHORTCUTS

EVERY PC USER SHOULD KNOW

CTRL A

CTRL + A (Select All)

selects all text in a document, spreadsheet, webpage, database, or table

CTRL B

CTRL + B (Bold)

select and bold text in office

CTRL C

CTRL + C (Copy)

selects and copy information to reuse in a different place or document

CTRL F

CTRL + F (Find)

find a word or phrase within a document, webpage, database, or spreadsheet

CTRL I

CTRL + I (Italics)

select and italic text in office

CTRL N

CTRL + N (Create New)

create something new lightning fast- use with Office or to open up a new webpage

CTRL

P

CTRL + P (Print)

use to quickly print a document, webpage, anything

CTRL

U

CTRL + U (Underline)

select and underline text in office

CTRL

Y

CTRL + Y (Redo)

restore the last action

CTRL

← or →

CTRL + Left or Right Arrow

enables you to move the cursor one word at a time.

CTRL

S

CTRL + S (Save)

save your work in a flash

CTRL

V

CTRL + V (Paste)

paste copied text in place

CTRL

Z

CTRL + Z (Undo)

undo the last action

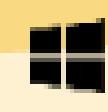
Alt

Tab

ALT + TAB

brings up all your open windows

 = Start Menu

 + **X** = Open Power Menu

 + **T** = Cycle Through Open Apps On Taskbar

 + **M** = Minimize all window and show desktop

 + **D** = Toggle between desktop and open apps

 + **L** = Lock system

 + **P** = Project to external screen

 + **F** = Find from start menu (Traditional)

 + **O** = Lock screen orientation (on select devices)

 + **C** = Open Charm bar

 + **I** = Open settings in Charm bar

 + **H** = Share menu in Charm bar (Metro)

 + **Tab** = Switch to Virtual Desktop

 + **Prt Sc** = Screenshot of active desktop

 + **Arrow Keys** = Move Apps to respective position

 + **1....10** = Launch Application pinned to taskbar

at similar number





¡ATAJOS DE TECLADO EN GMAIL!

Para habilitarlos, accede a: Configuración / Ver todos los ajustes / Combinaciones de teclas / Habilitar.



Crea tu firma de correo profesional ¡GRATIS! en:

ed.team/firma

ATAJOS DE TECLADO EN GMAIL PARTE 2



Habilítalos en: [Configuración](#) /
[Ver todos los ajustes](#) /
[Combinaciones de teclas](#) / [Habilitar](#).



Enviar correo.

⌘ + ↵

+ Ó =

Marcar como importante.



Buscar correo.

/

⌘ + K

Insertar un enlace.



Responder a todos.

A

F

Reenviar correo.



Redactar en una nueva pestaña.

D

⌘ + M

Sugerencias ortográficas.



Añadir a CC.

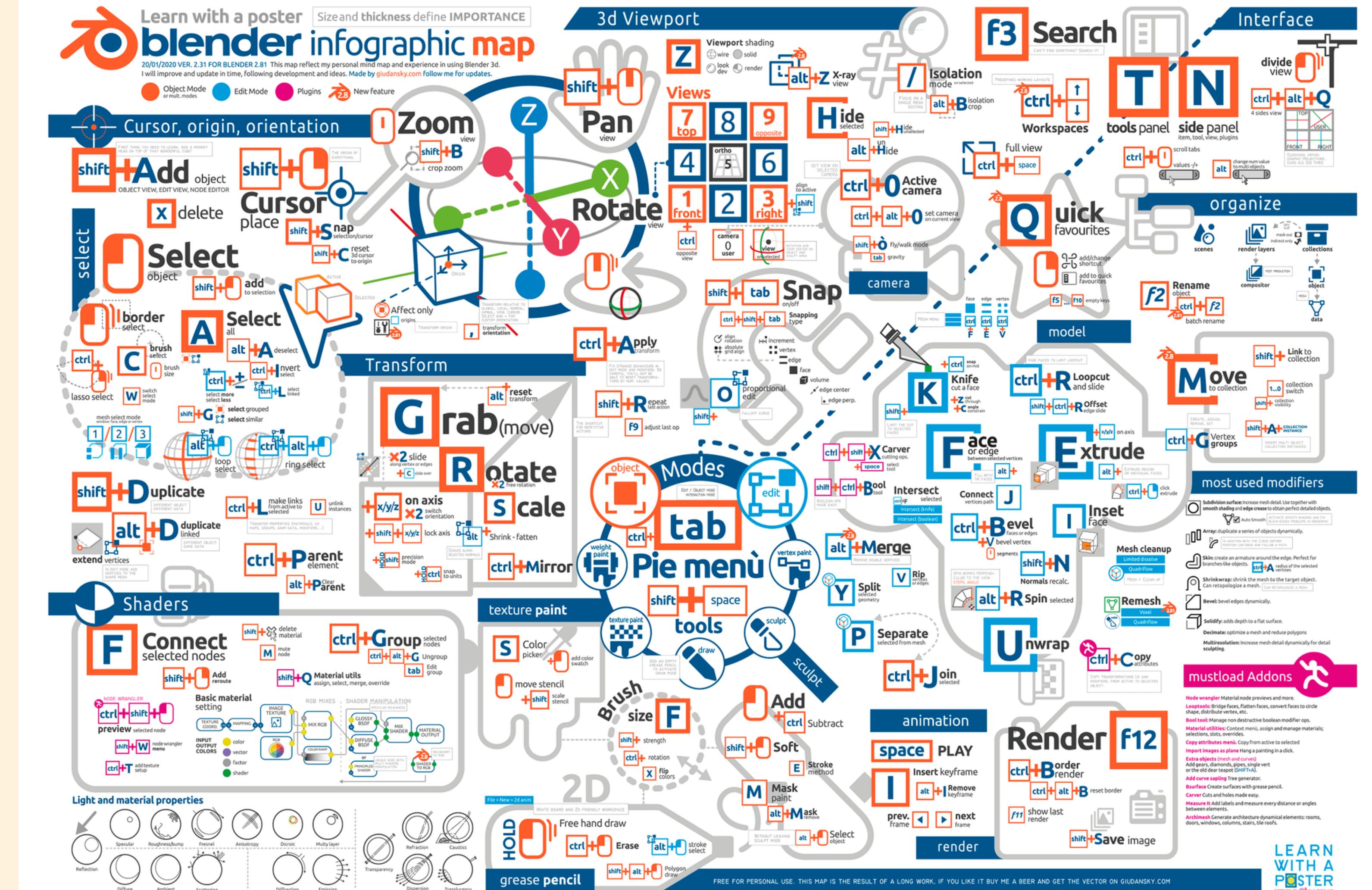
⌘ + ↑ + C

⌘ + ↑ + B

Añadir a CCO.

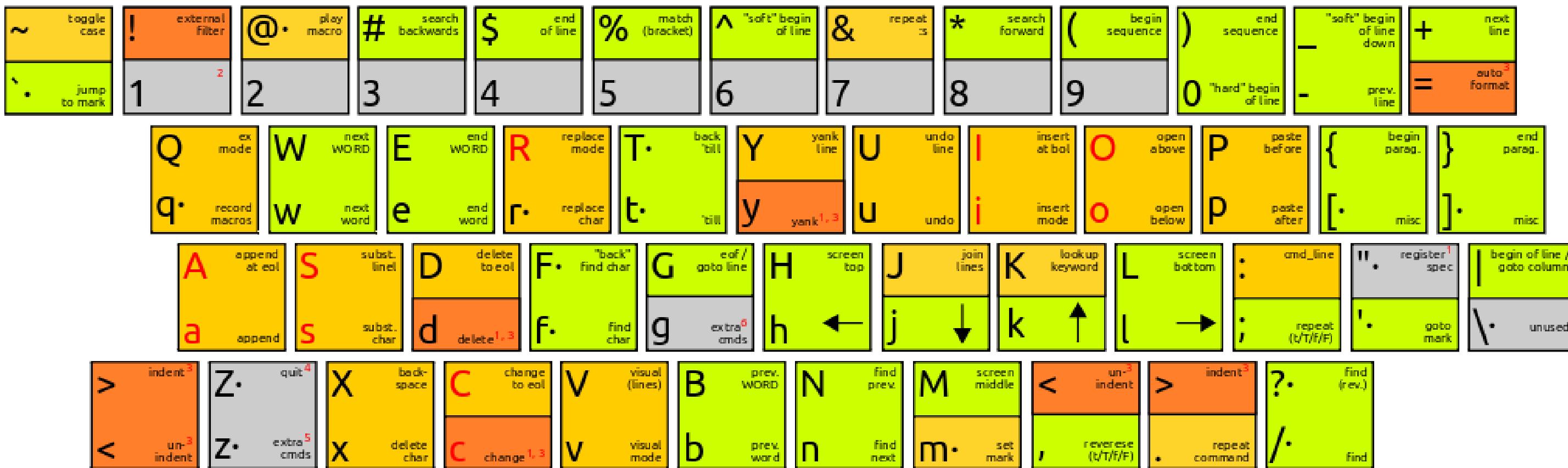


En PC remplaza ⌘ por CTRL.



Esc

normal mode

**motion**

moves the cursor or defines the range for an operator

command

direct action cmd, if red it enters insert mode

operator

requires a motion afterwards, operates between cursor and destination

extra

special functions, requires extra input

q.

commands with a dot need a char argument afterwards

vim graphical cheat sheet

(english keyboard layout)

Main command line commands ("ex"):

:w [file] {save}
 :q {quit}
 :q! {quit without saving}
 :wq {save & quit}
 :e Foo {open file Foo}
 :n {new file}
 :sp {split window horizontally}
 :vsp {split window vertically}
 :reg {display content of named registers}
 :Explore {dir} {open file-explorer}
 :h {help}
 :h holy-grail {list all commands}

Other important commands:

CTRL + R (redo)
CTRL + P / N (complete the current word)
CTRL + W (move cursor to next window)
[n] **CTRL + 6** (toggle [n]th alternate file)
CTRL + F / B (page up / down)
CTRL + E / Y (scroll lin eup / down)
CTRL + V (block-visual mode)

Find and replace:

:%s/<RegExp>/<String>/g (replace <RegExp> by <String> filewide)
 :s/<RegExp>/<String>/ (search current line and replace first match)

Vim 7.x only commands:

CTRL + X - CTRL + O (omni completion in insert mode)
:tabe [file] {edit [file] in a new tab}
:tabc [n] {close tab [n]}
:tabonly {close all other tab pages}
:tabmove [n] {move tab to position [n]}
:tab [cmd] {execute [cmd] and when it opens a new window open a new tab page instead, e.g. **:tab split** opens current buffer in a new tab: **:tab help gt** opens tab page with help for gt}
:tabs {list all tab pages}
[n] **:gt** {goto next or tab [n]}
:gT {goto previous tab}

:undolist {list leafs in tree of change}
:earlier [n] {s/m/h} {goto older text state [n] times / sec / min / hours}
:g- {goto older text state}
:later [n] {s/m/h} {goto newer txt state [n] times / sec / min / hours}
:g+ {goto newer text state}

Notes:

- [1] use "x before a yank/paste/del command to use that register ('clipboard') (x=a,x,*)
(e.g.: "ay\$ to copy rest of line to reg 'a')
- [2] type in a number before any action to repeate it that number of times
(e.g.: 2p, d2w, 5i, d4j)
- [3] duplicate operator to act on current line (dd = delete line, >> = indent line)
- [4] ZZ to save & quit, ZQ to quit w/o saving
- [5] zt: scroll cursor to top, zb bottom, zz center
- [6] gg: top of file (vim only), gf: open file under cursor (vim only)

Visual mode:

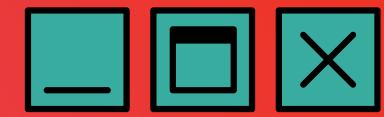
Move around and type operator to act on the selected region.

Vim-Help navigation:

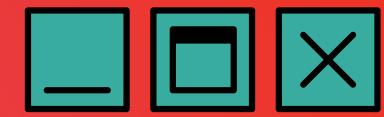
CTRL + ALT GR + or **:ta [tag]** (jump to subject using tags, **CTRL + O** to jump back)

¿Qué es lo que me hace elegir este atajo?

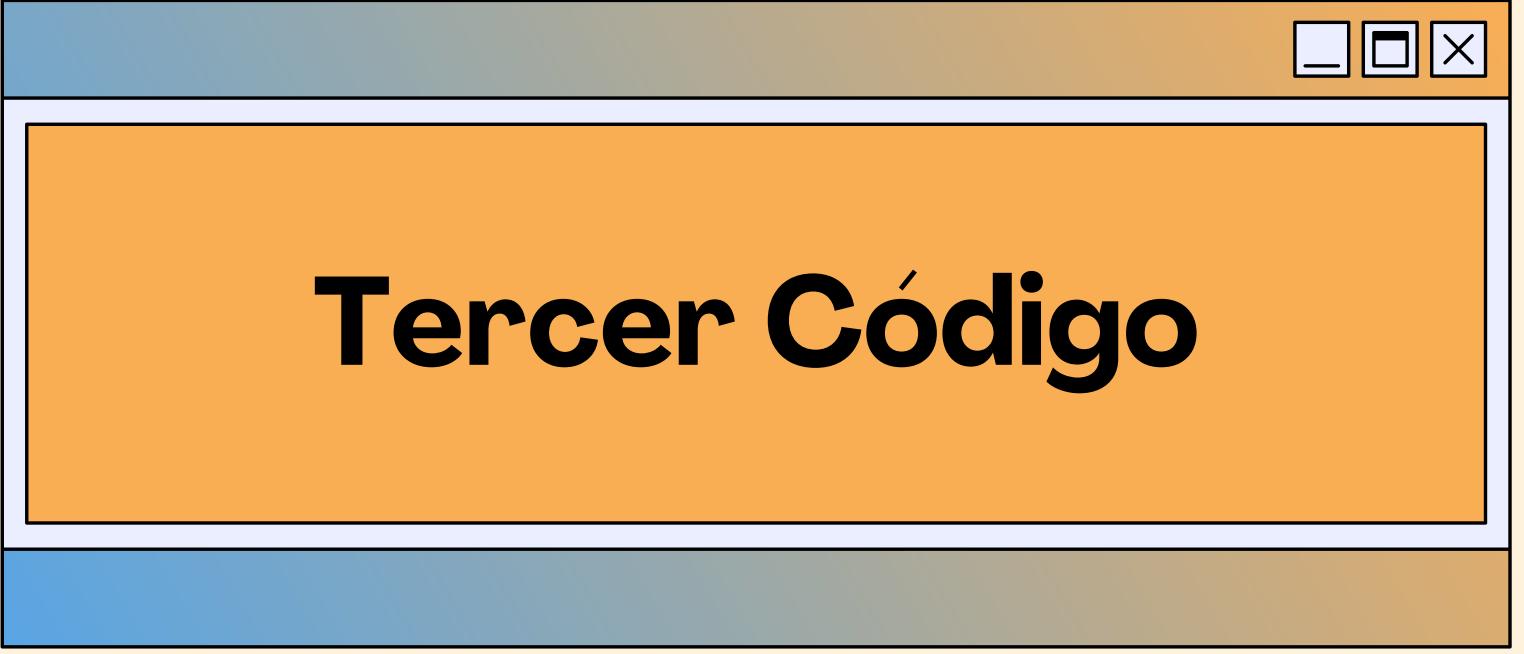
¿Qué de mí veo reflejado en lo que elijo?



**BREAK
BREAK
BREAK**



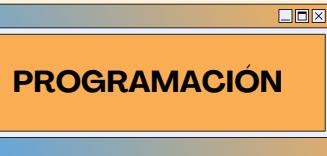
ACTIVACIÓN MOTORA



Tercer Código

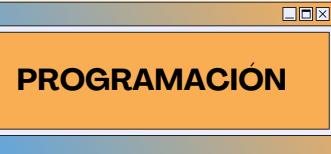


**ABRAMOS EL
CÓDIGO!**



// Funciones de la librería CONSUMER

```
Consumer.begin(boton); //Comienza comunicación con el pc  
Consumer.press(boton); //presiona un boton del teclado  
Consumer.release(boton); //Libera un boton del teclado  
Consumer.releaseAll(); //Libera todos los botones
```



// BOTONES DISPONIBLES

NicoHood/HID

Bring enhanced HID functions to your Arduino!



18 Contributors 65 Issues 53 Discussions 2k Stars 361 Forks

Consumer API · NicoHood/HID Wiki

Bring enhanced HID functions to your Arduino! Contribute to NicoHood/HID development by creating an account on GitHub.

[GitHub](#)

