

BASIC OF COMPUTER

CHAPTER 1 PART I

Hardware and Software



What is a Computer?

A computer is an electronic device that manipulates information or data. It has the ability to store, retrieve, and process data.

- accept data
- manipulate the data
- produce results
- store the result

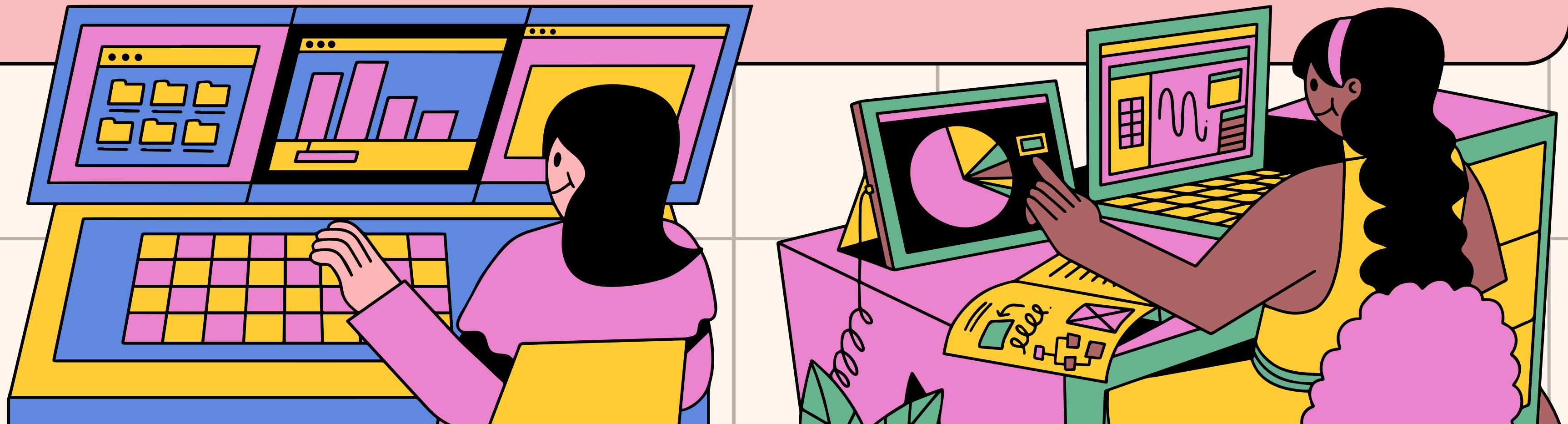
Modern computers can perform a wide range of tasks, from simple calculations to complex simulations.



About Computer

There are FIVE major factors for a computer to be powerful:

- Speed
- Reliability
- Accuracy
- Storage
- Communication

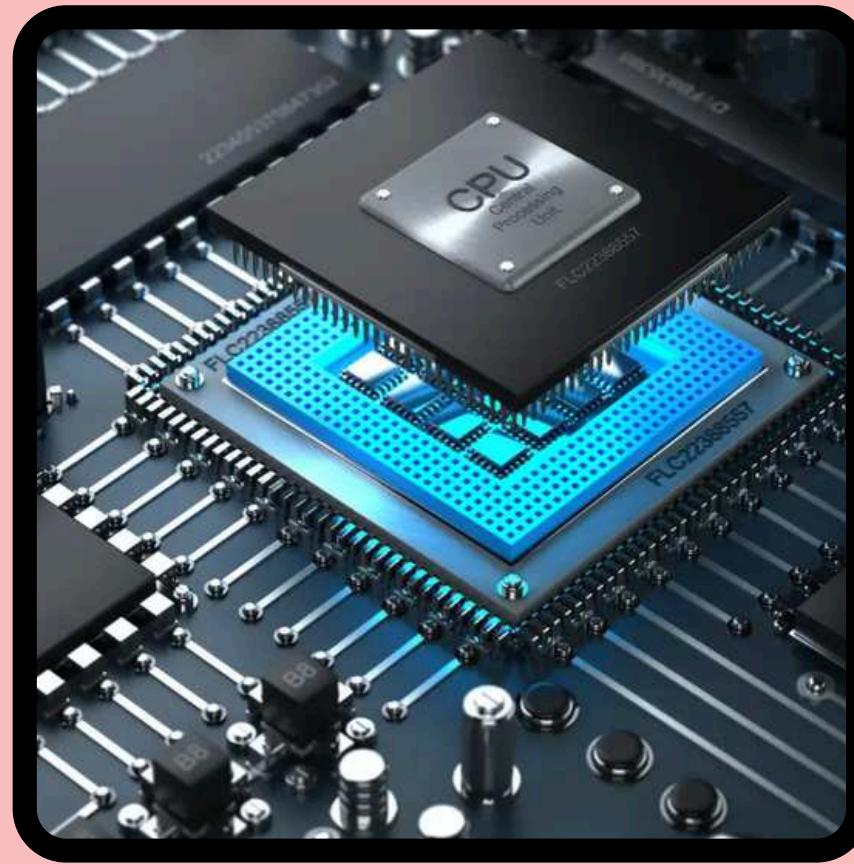


Information Processing Cycle



INPUT

Accepting data
from user



PROCESS

Processing data
into meaningful
information



OUTPUT

Displaying the
information
to the user



STORAGE

Storing the
information
for safe keeping
or later use

- **DATA** - unprocessed items
- **INFORMATION** - processed data

Basic Components of a Computer

CPU (Central Processing Unit)

The brain of the computer.



RAM (Random Access Memory)

Temporary storage for data and instructions.



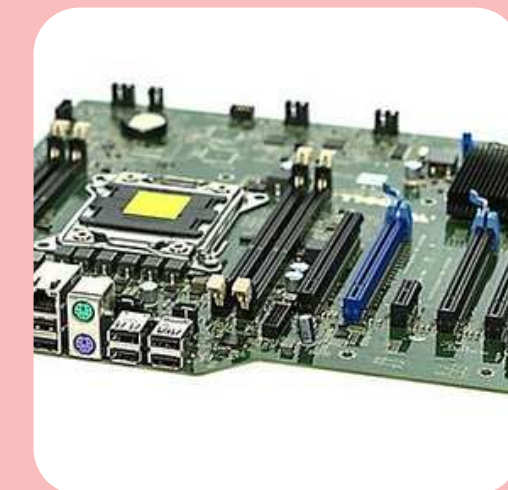
Storage

Hard drives or SSDs for long-term data storage.



Motherboard

The main circuit board connecting all components.



Basic Components of a Computer (Input Devices)

KEYBOARD

Allows the user to input text and commands



Mouse

A pointing device used to interact with the graphical user interface (GUI).



Microphone

Convert sound waves into an electrical signal that can be recorded or transmitted to other devices



Basic Components of a Computer (Output Devices)

KEYBOARD

Allows the user to input text and commands



Mouse

A pointing device used to interact with the graphical user interface (GUI).



Microphone

Convert sound waves into an electrical signal that can be recorded or transmitted to other devices





Supercomputers

Extremely powerful machines used for complex calculations.

Mainframes

Large systems used by businesses for bulk data processing.

Personal Computers

Desktops and laptops used by individuals.

Mobile Devices

Smartphones and tablets.

Types of Computers



Types of Computers

Supercomputers



Personal Computers

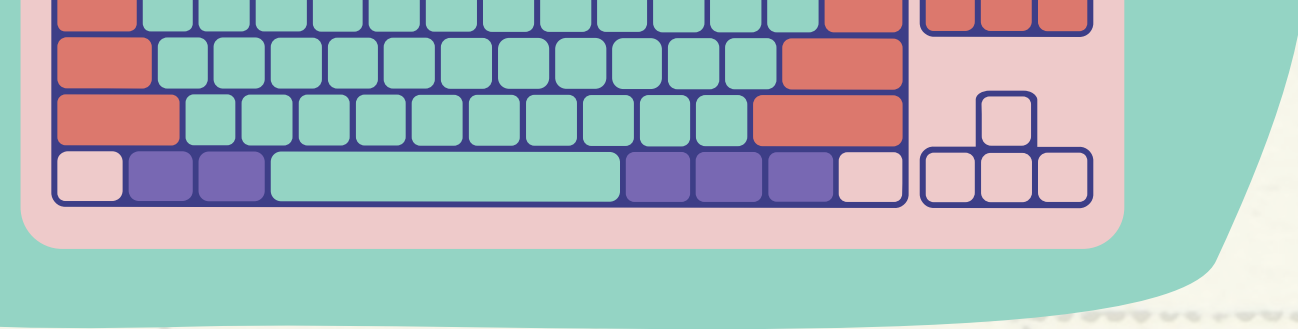
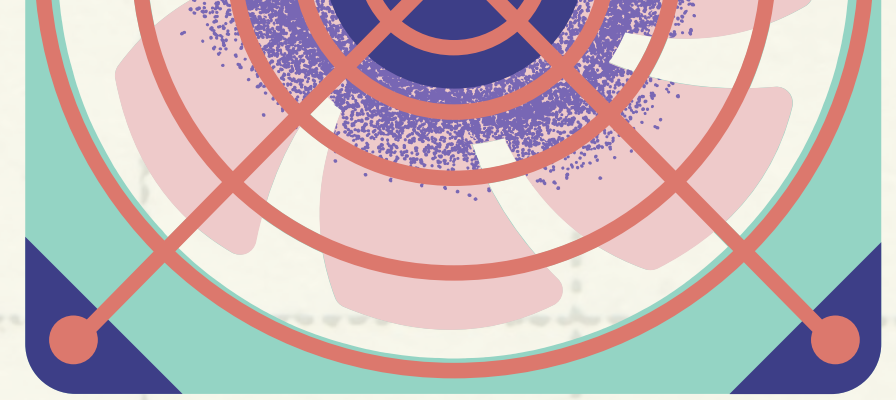
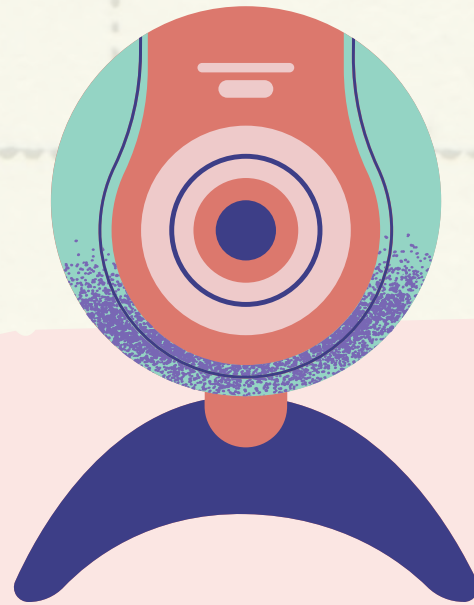
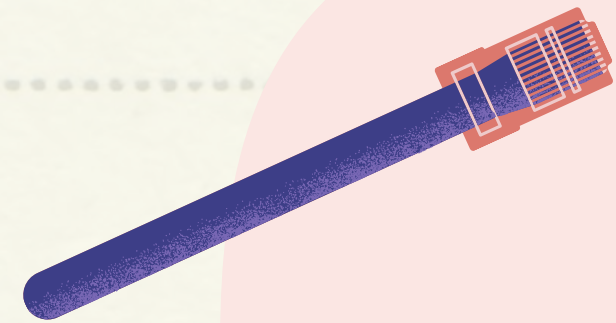


Mainframes



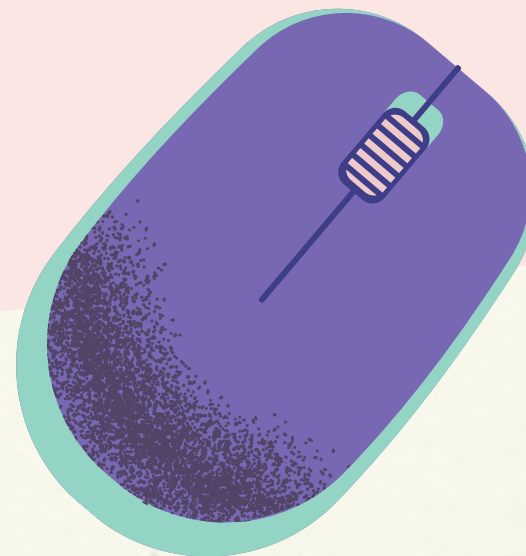
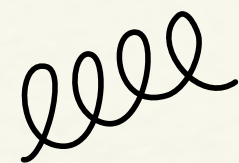
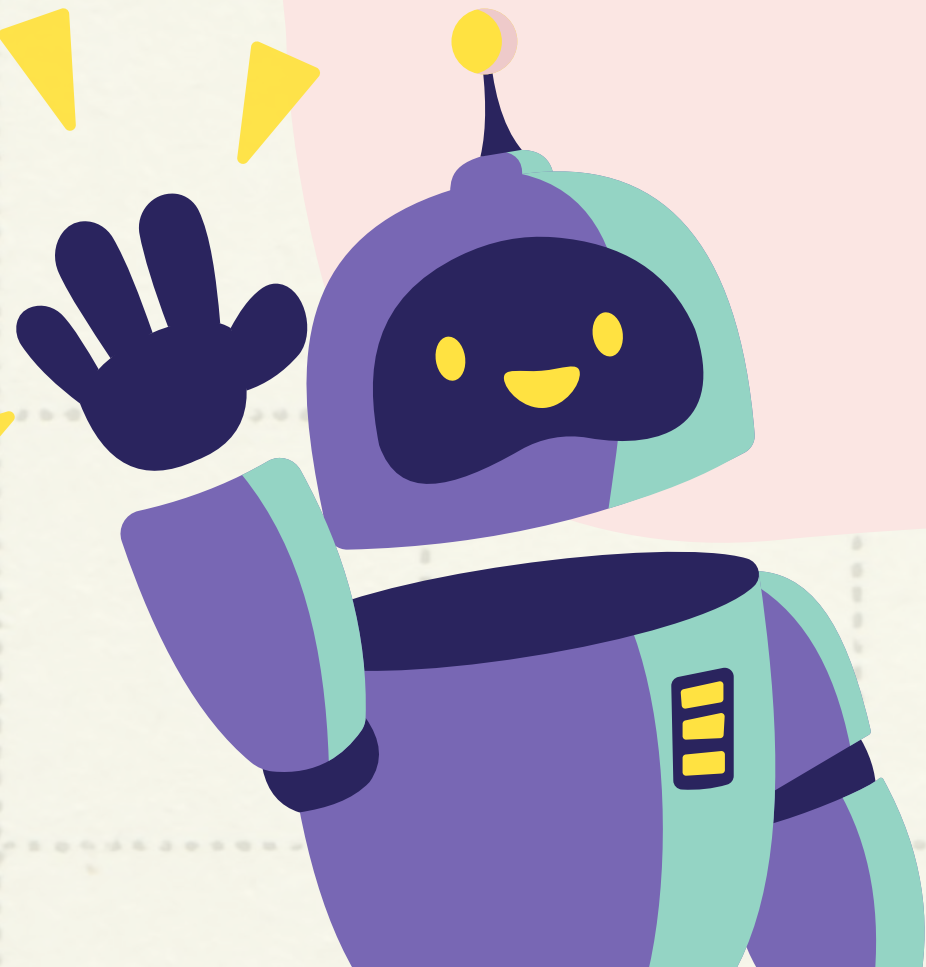
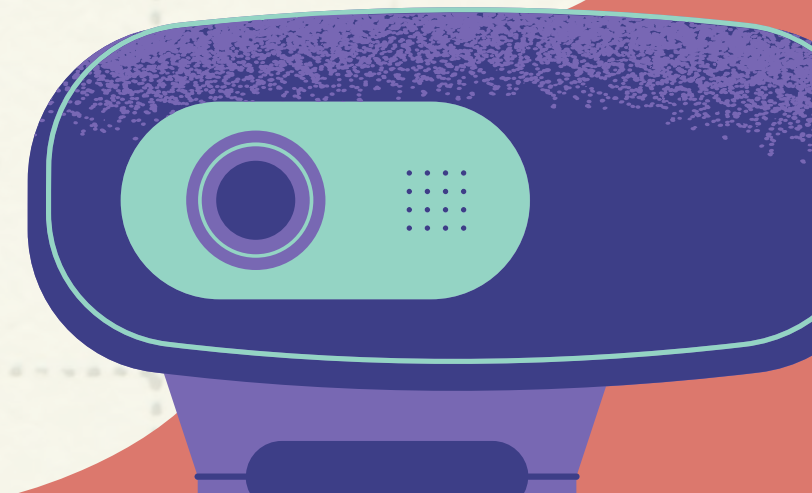
Mobile Devices





COMPUTER PARTS

BASIC OF COMPUTER
CLASSROOM QUIZ



INSTRUCTIONS

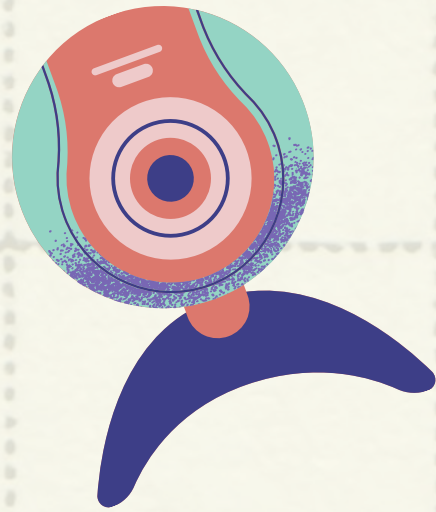
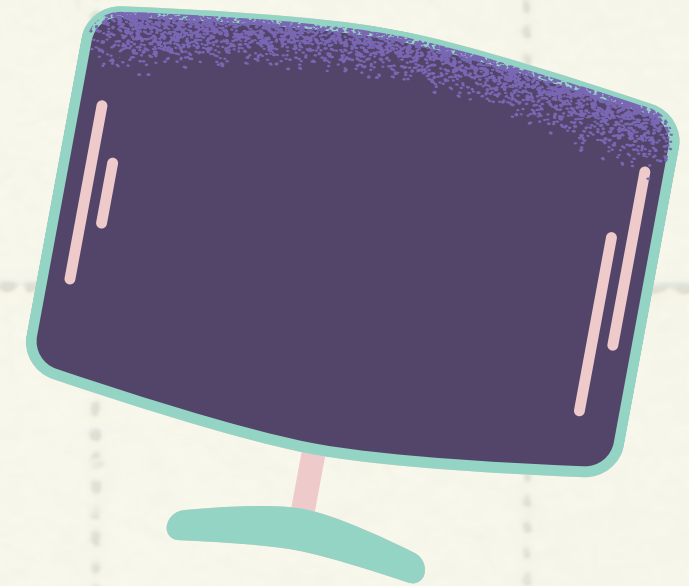
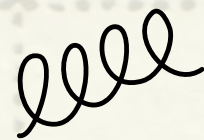
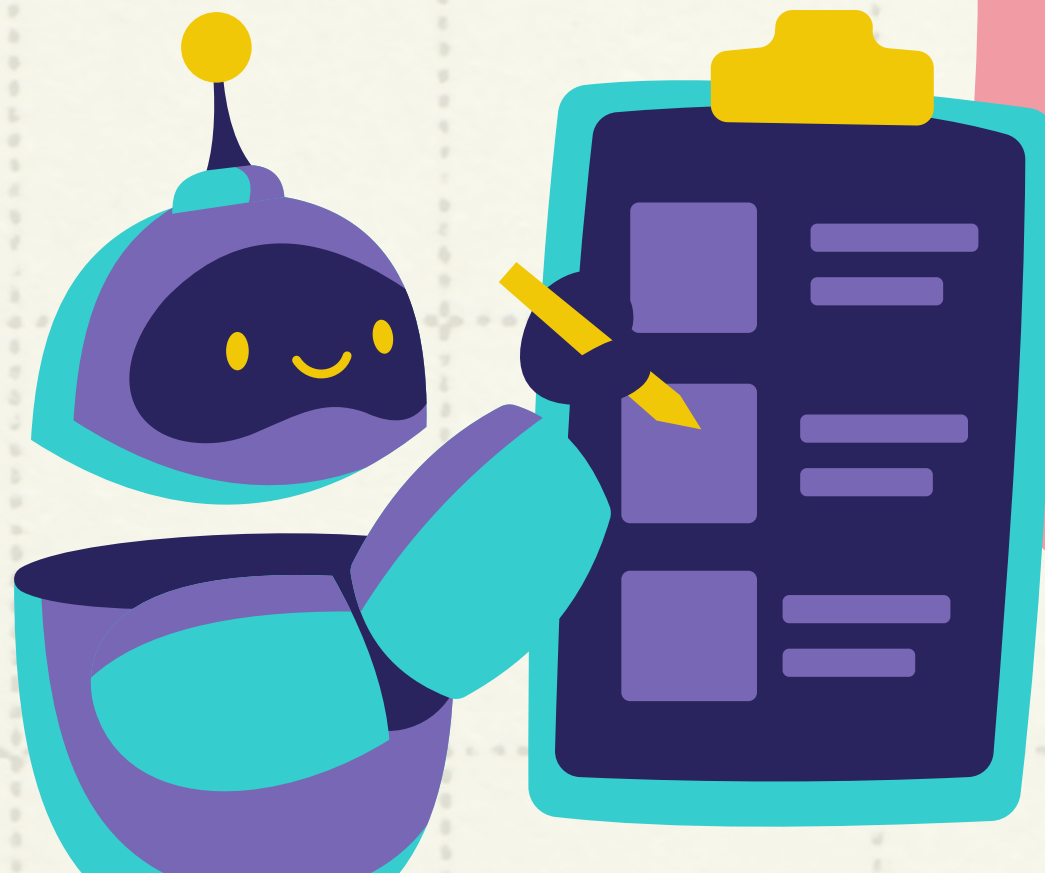
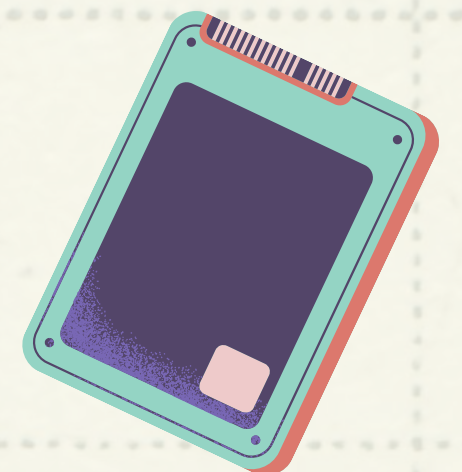
You will be shown several pictures of computer parts.

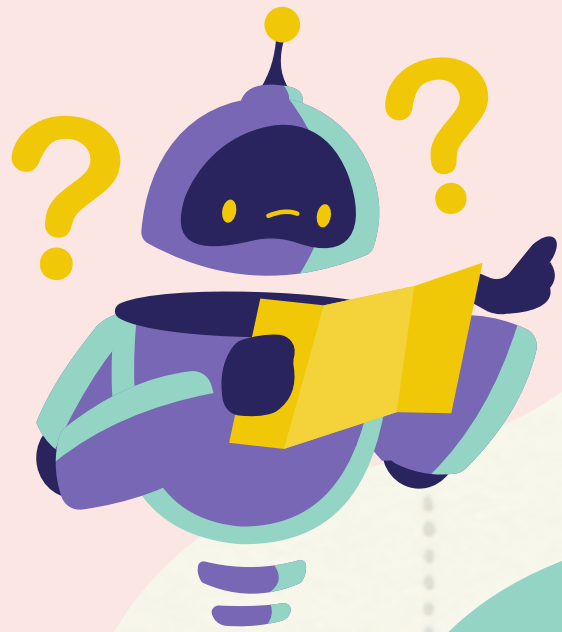
Write the name of each part down on a piece of paper.

Give yourself one point for each correct answer.

The one who gets the most points wins.

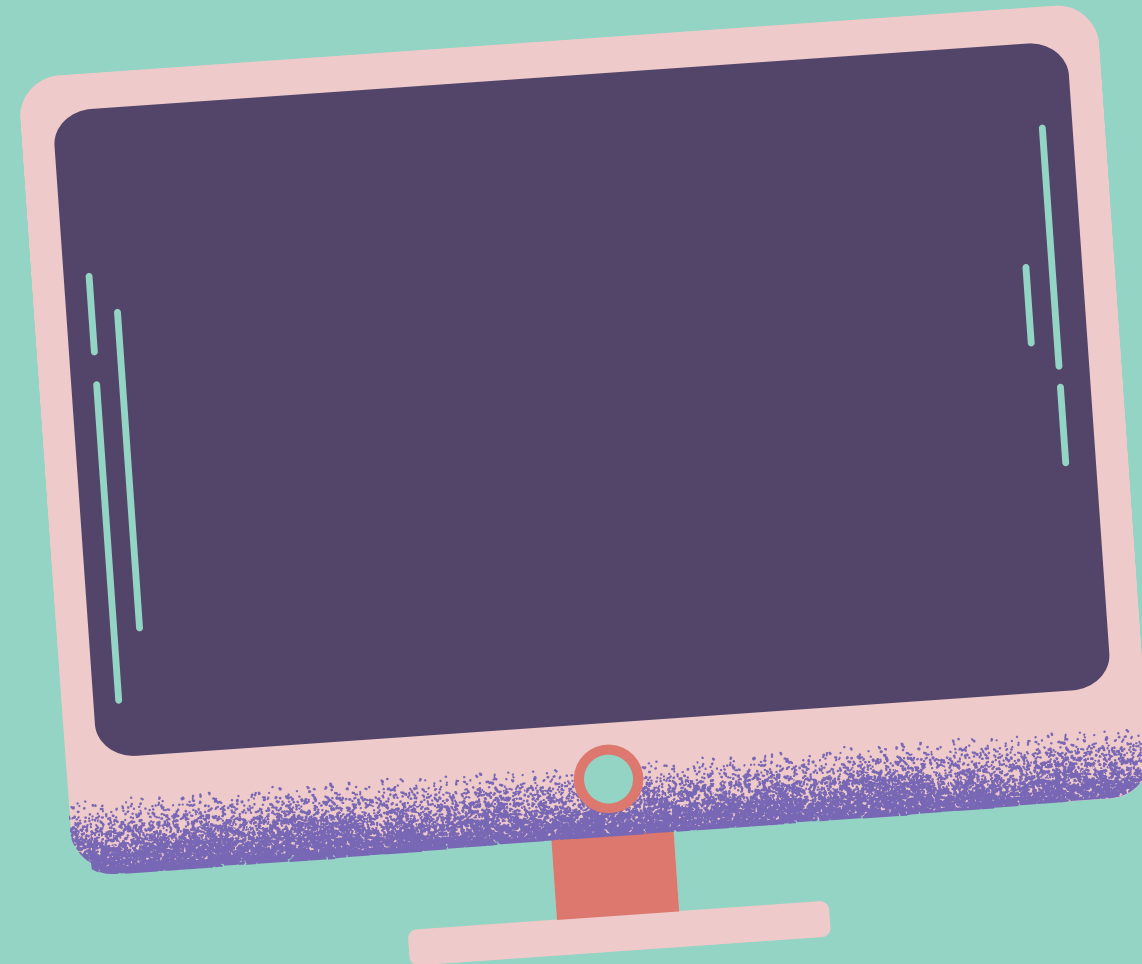
Have Fun!



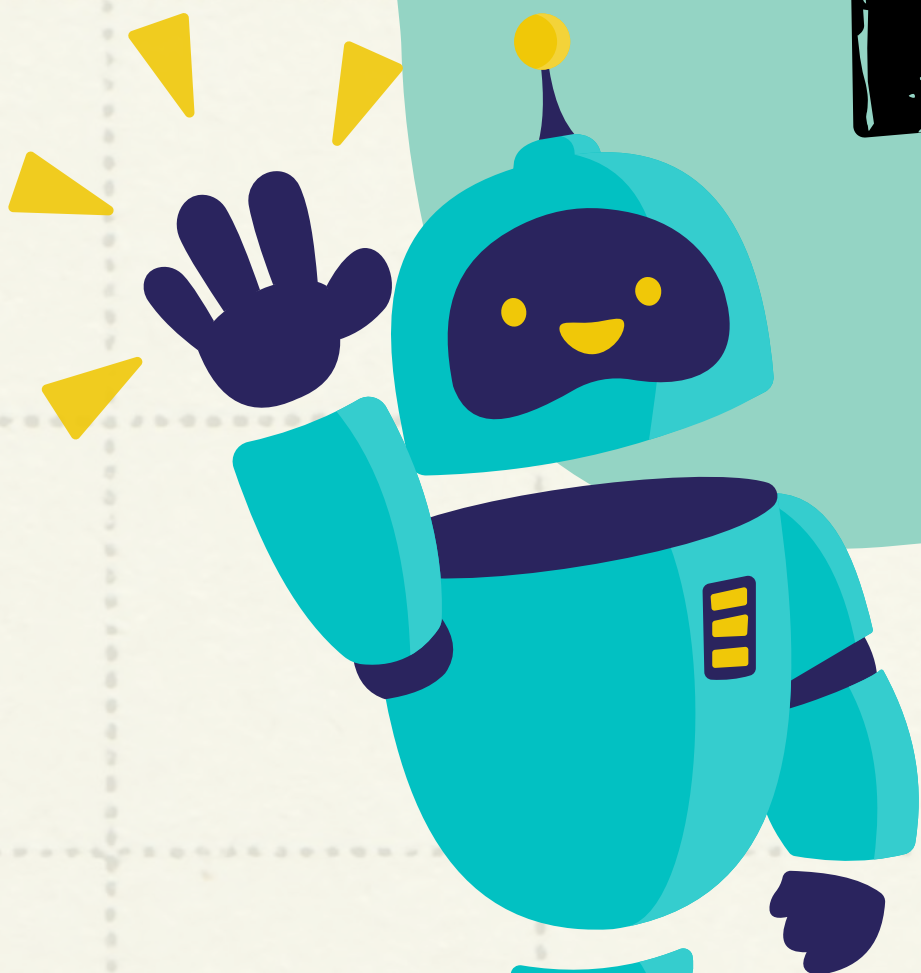
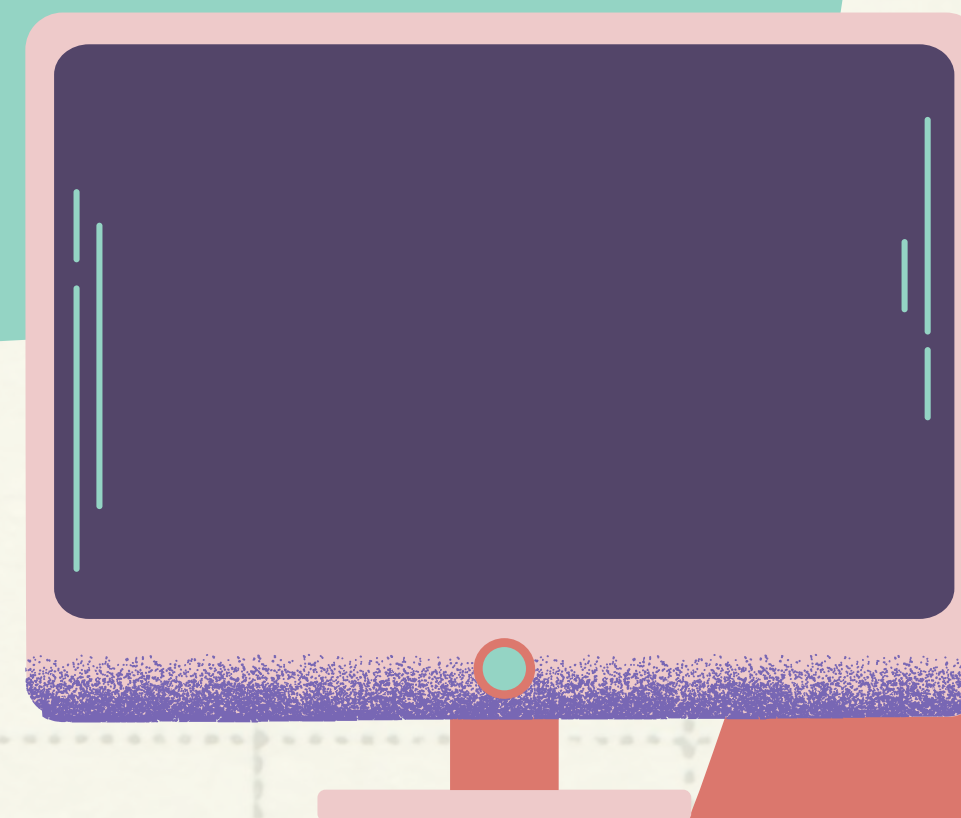


1

**THIS PART
IS CALLED A**

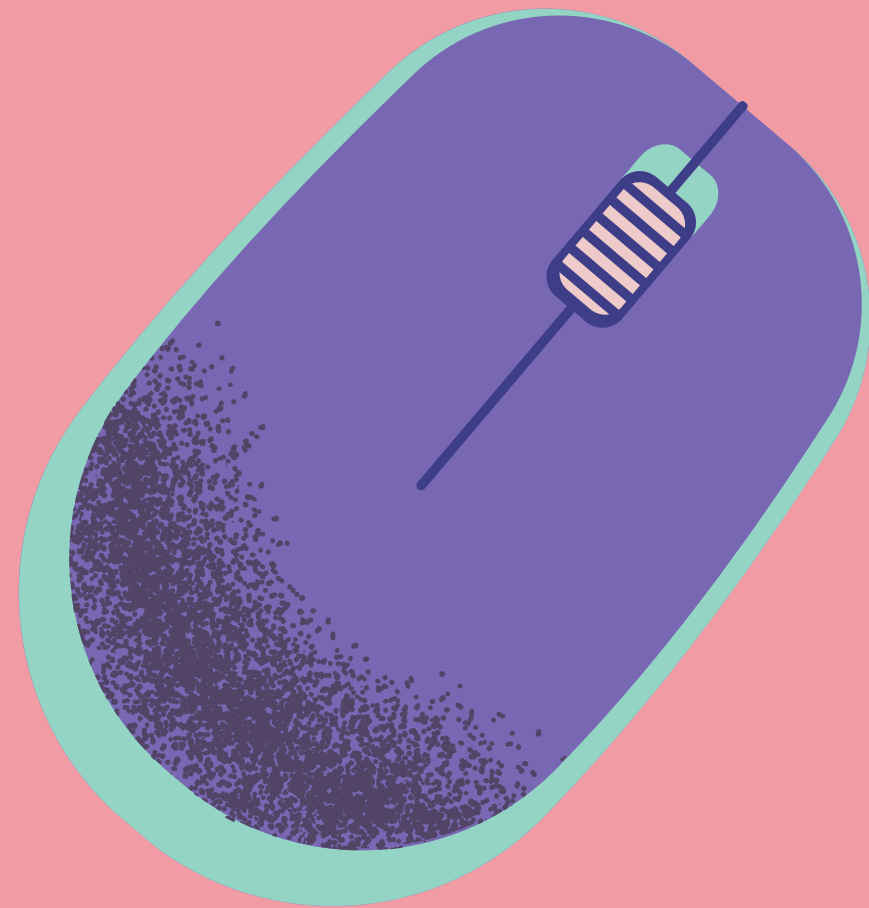
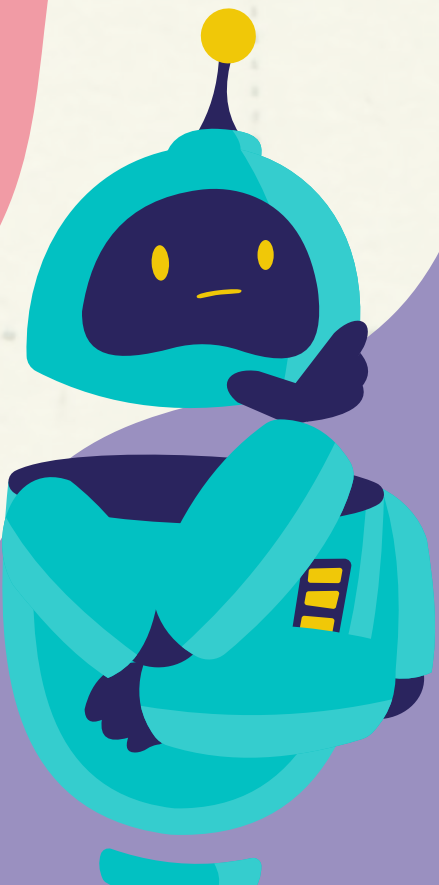


MONITOR

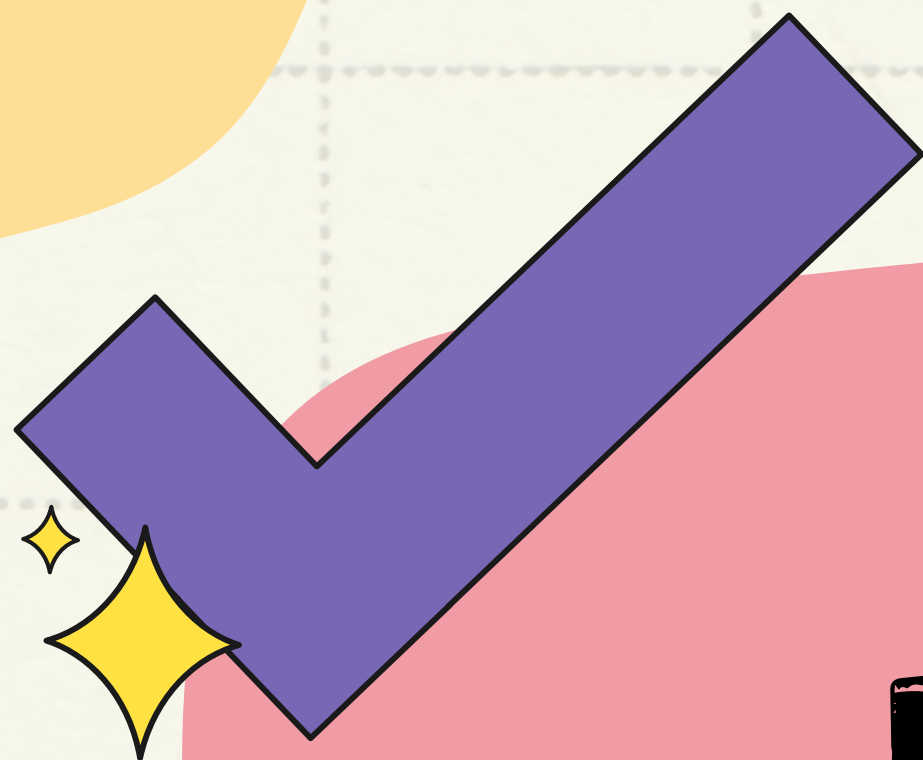
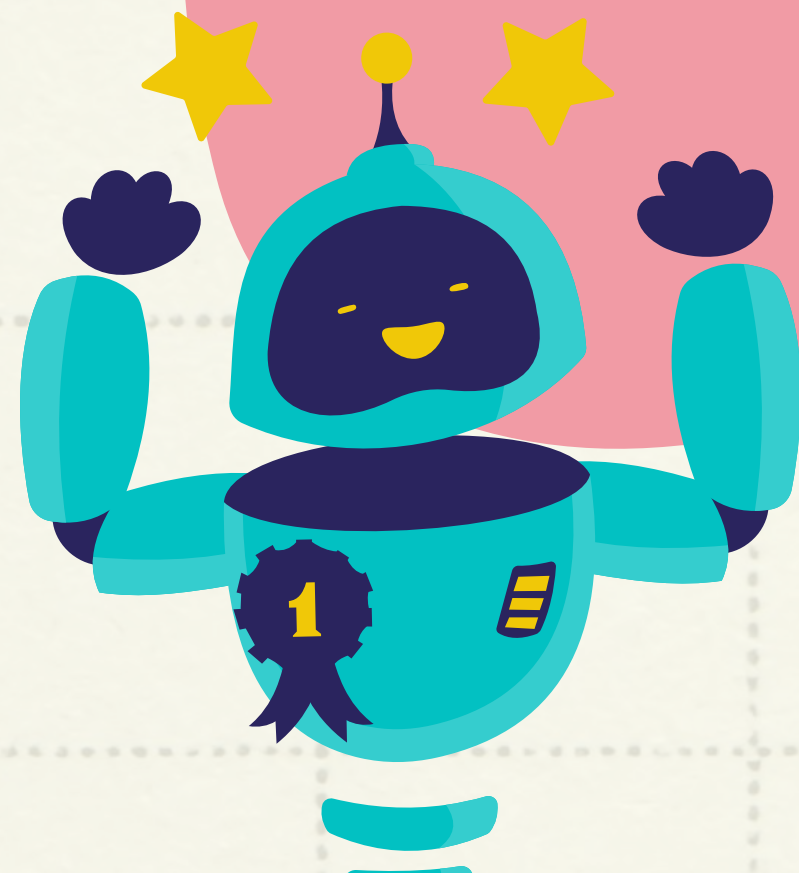


2

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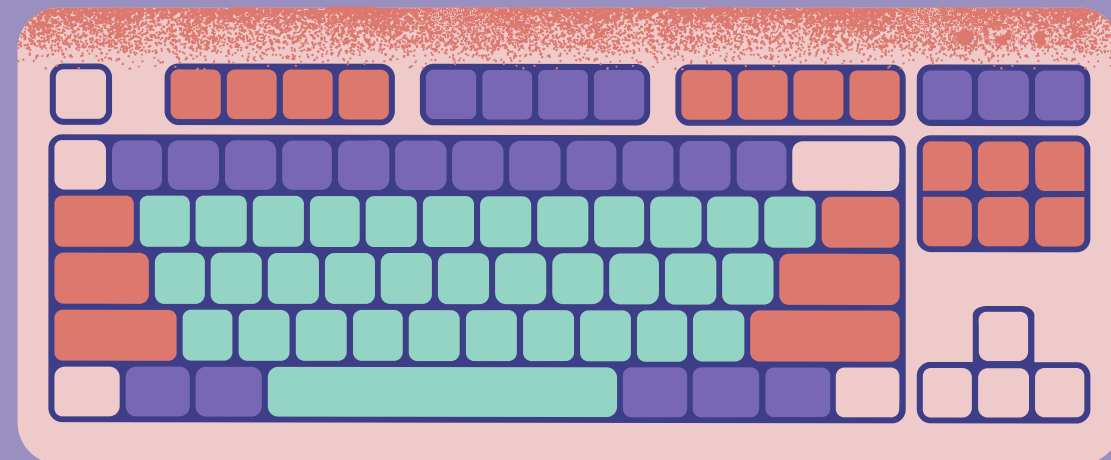


MOUSE

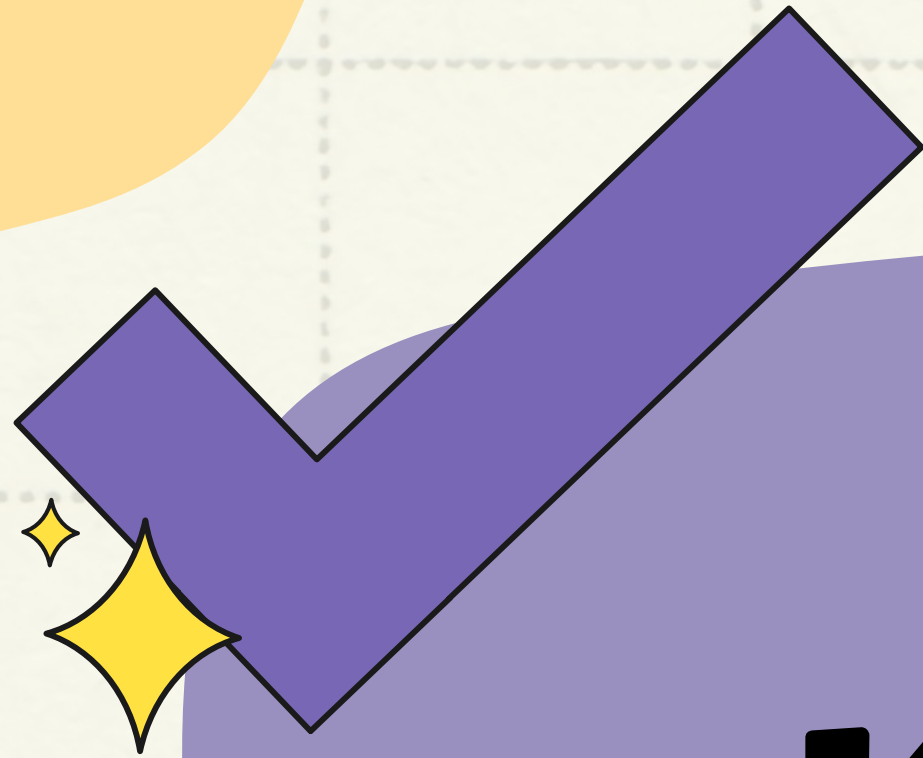
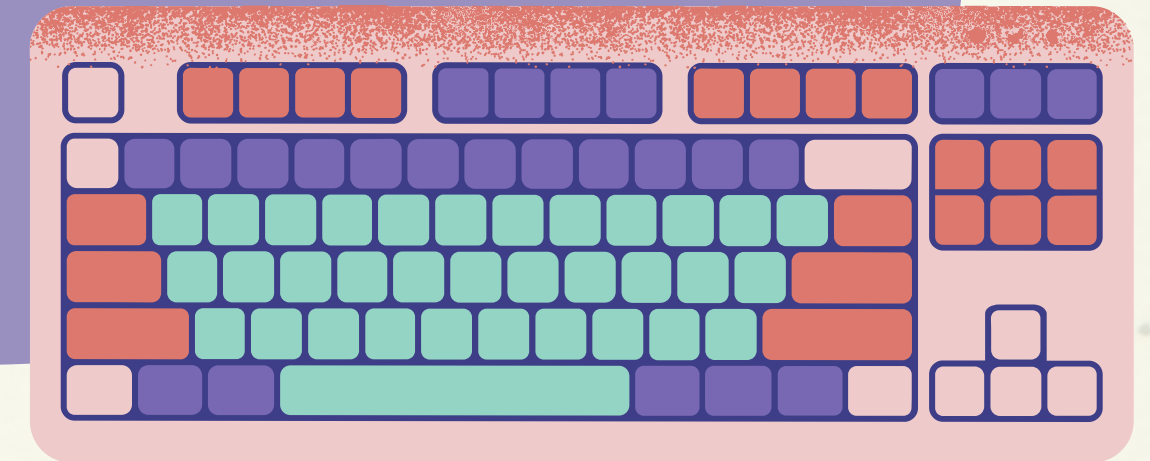
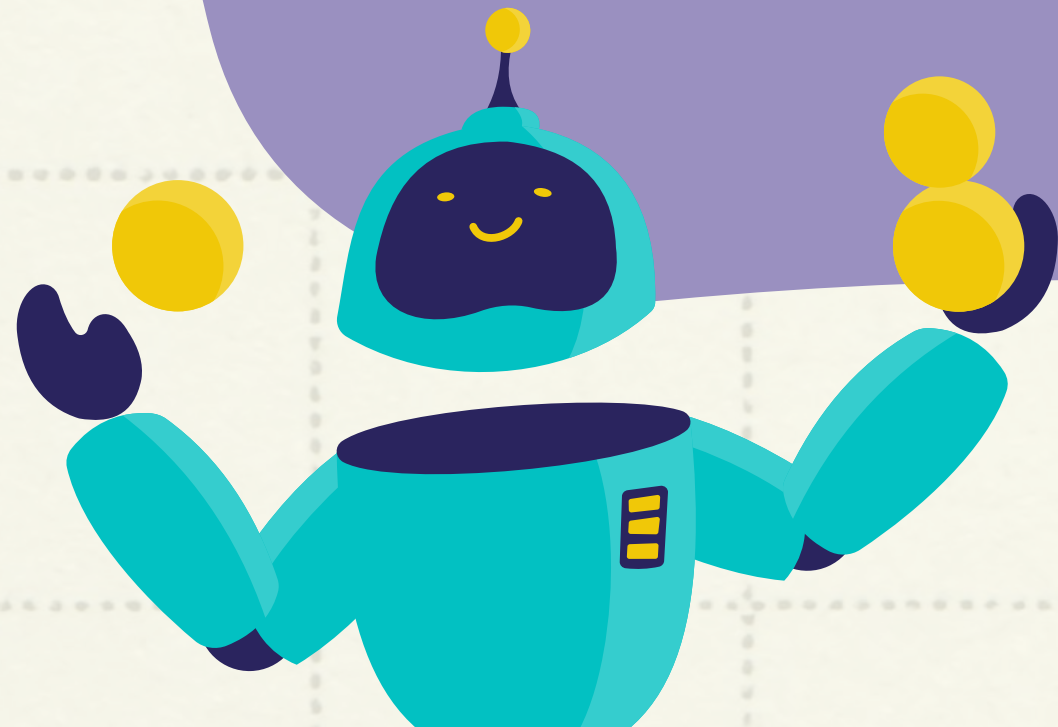


3

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KEYBOARD

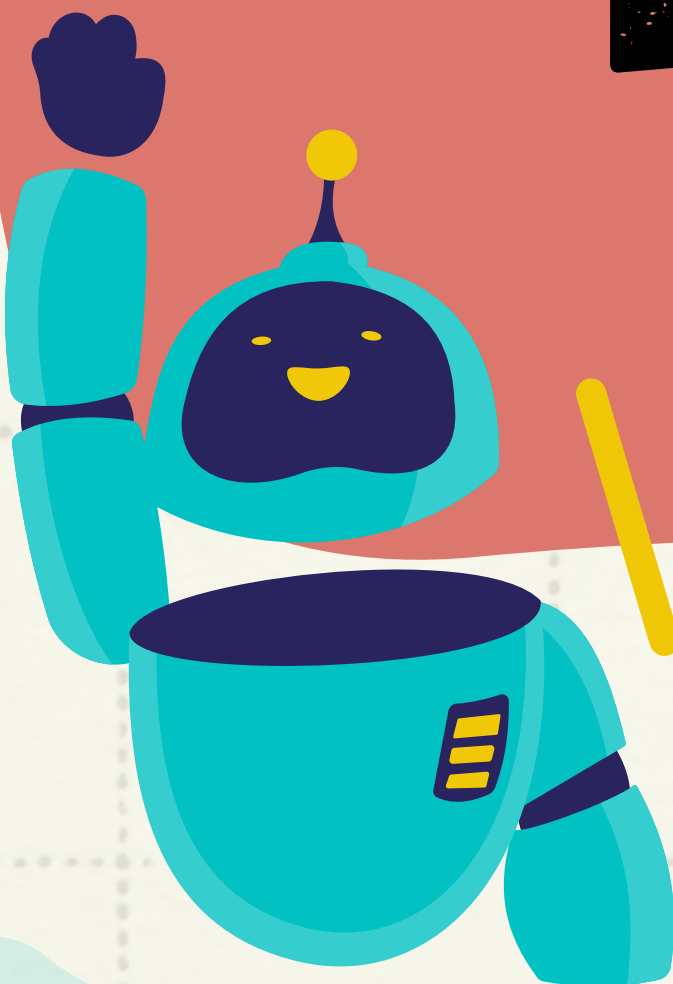
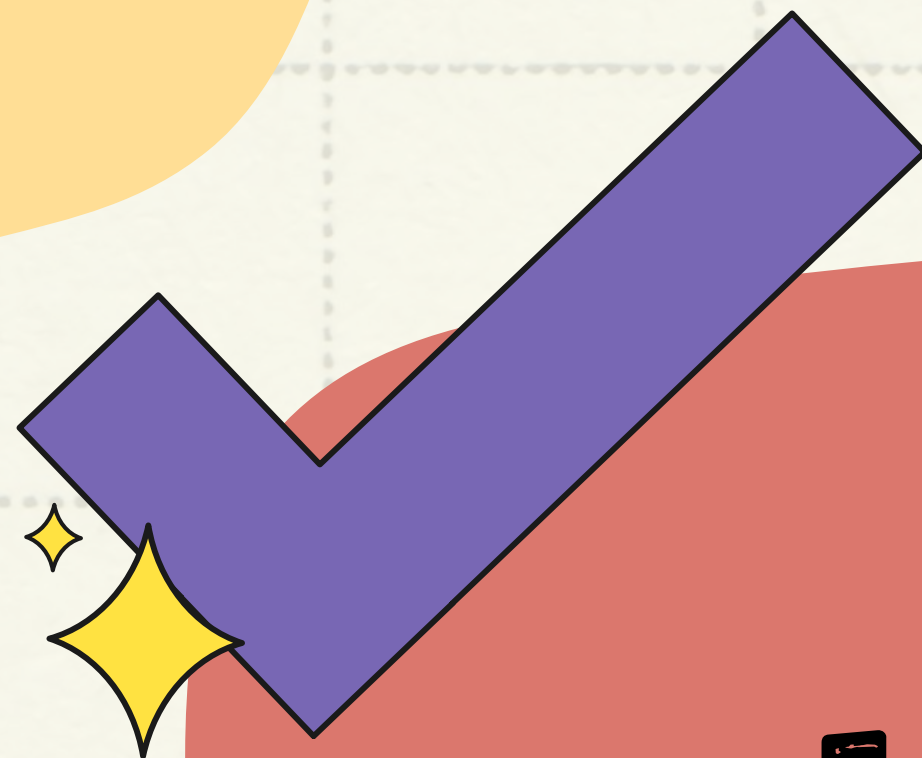


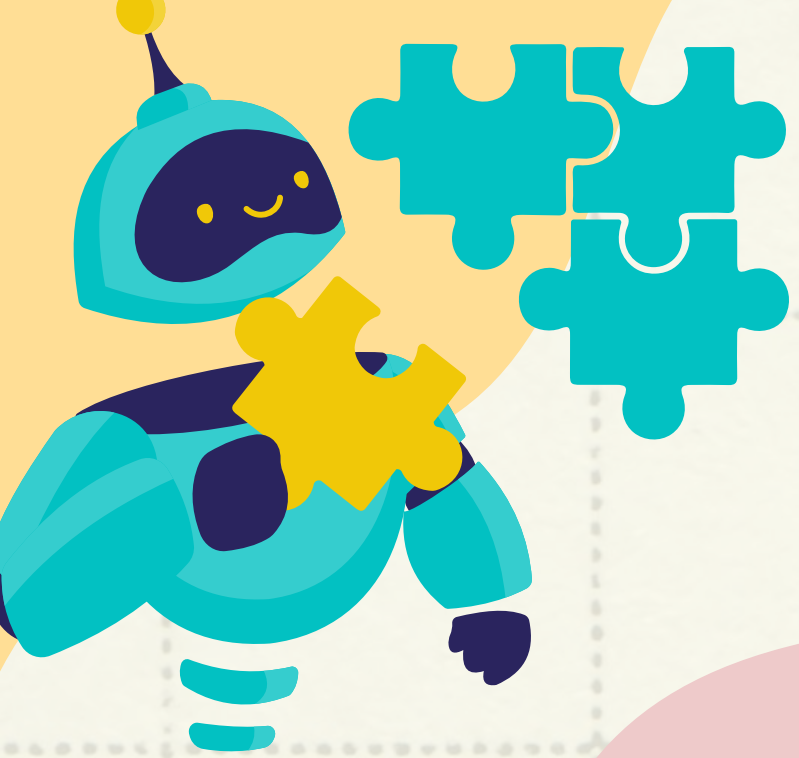
4

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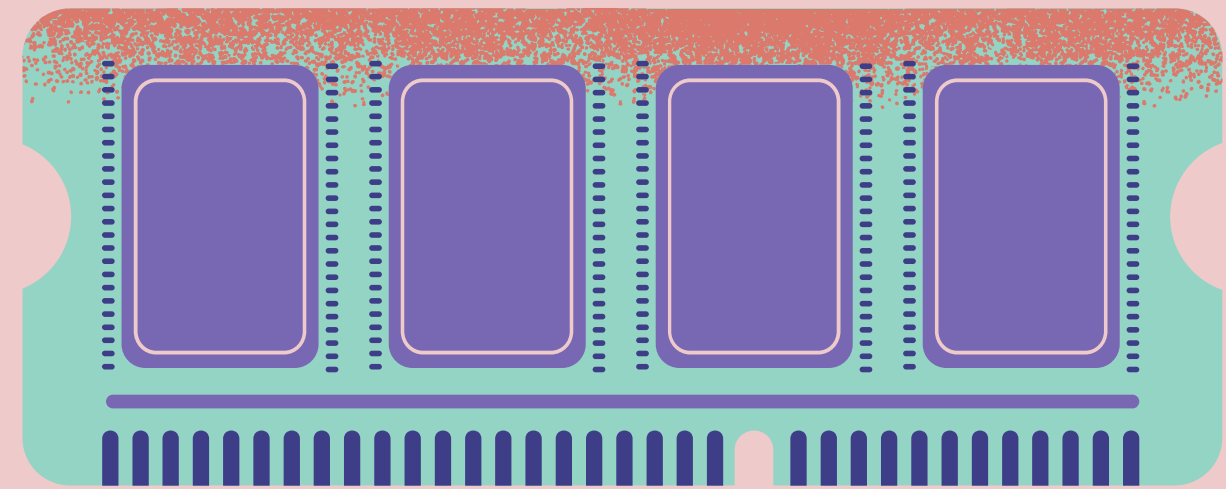
HARD DISK



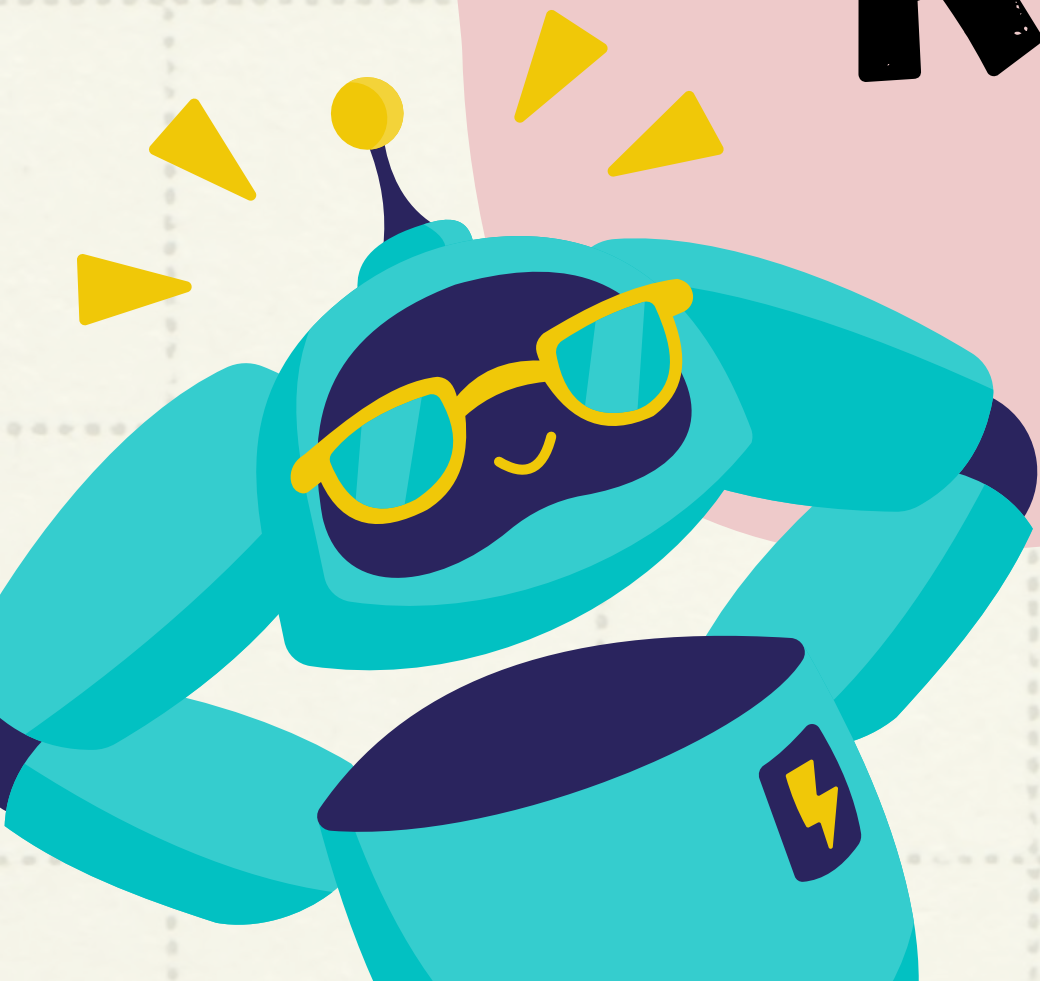
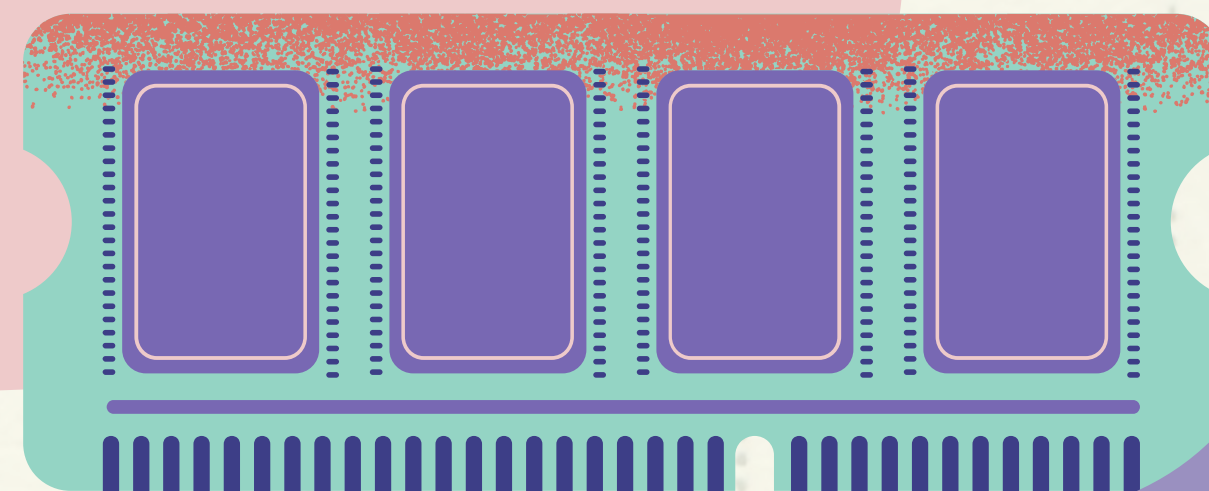
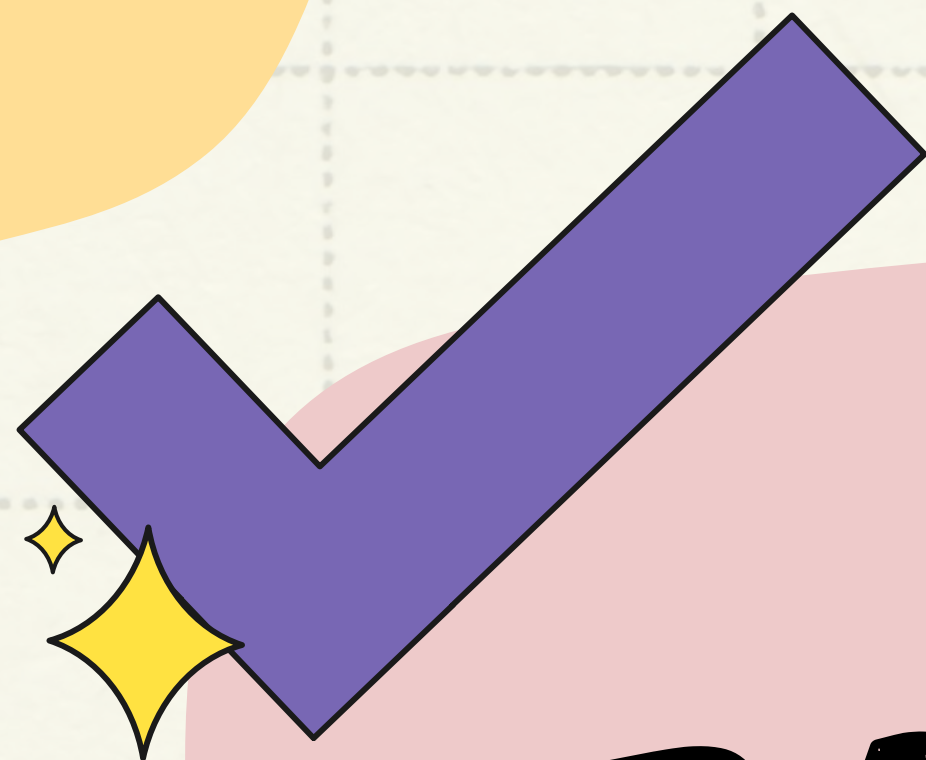


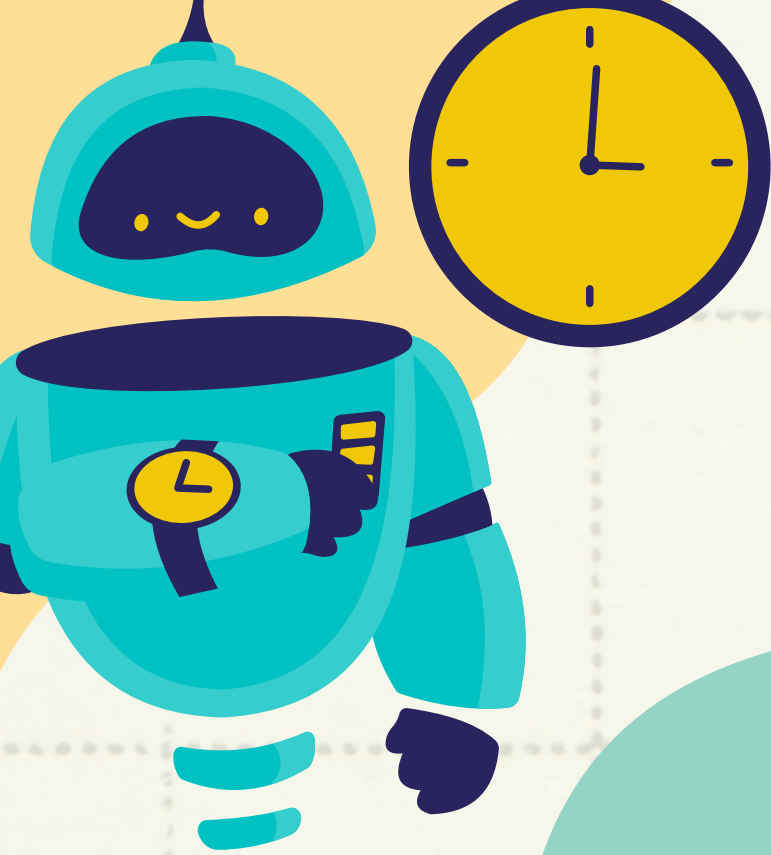
5

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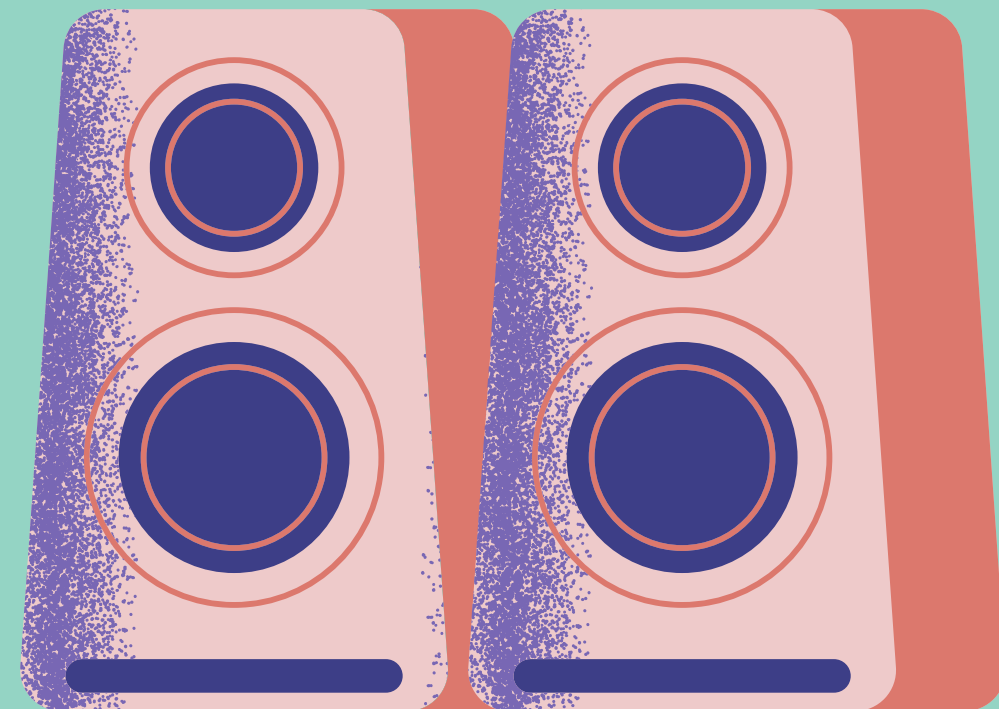
RAM MEMORY



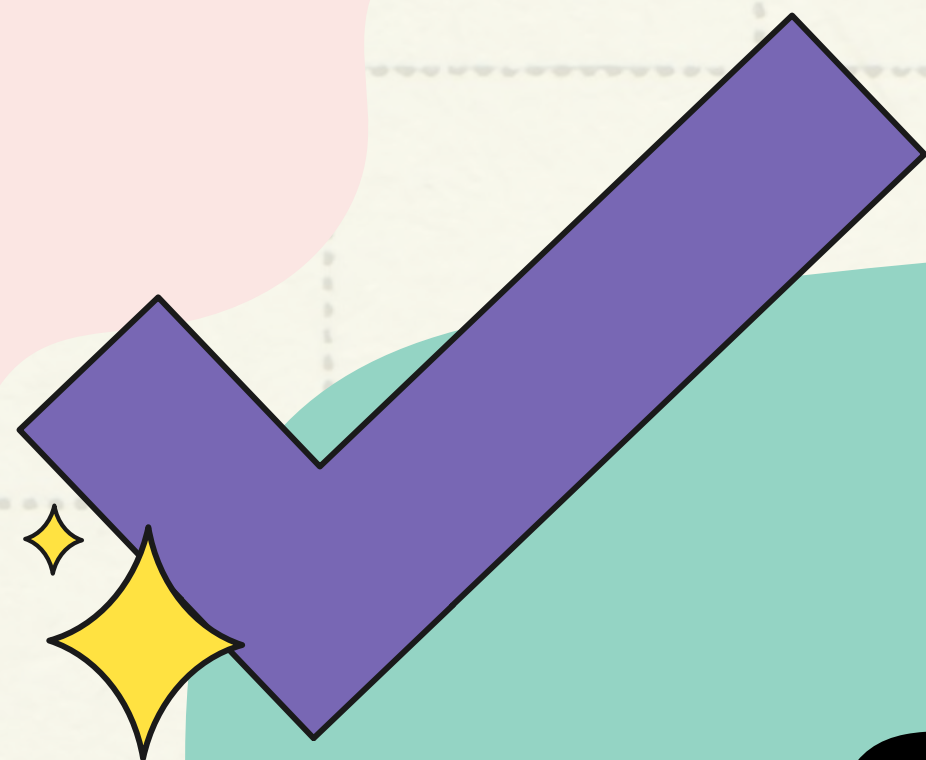
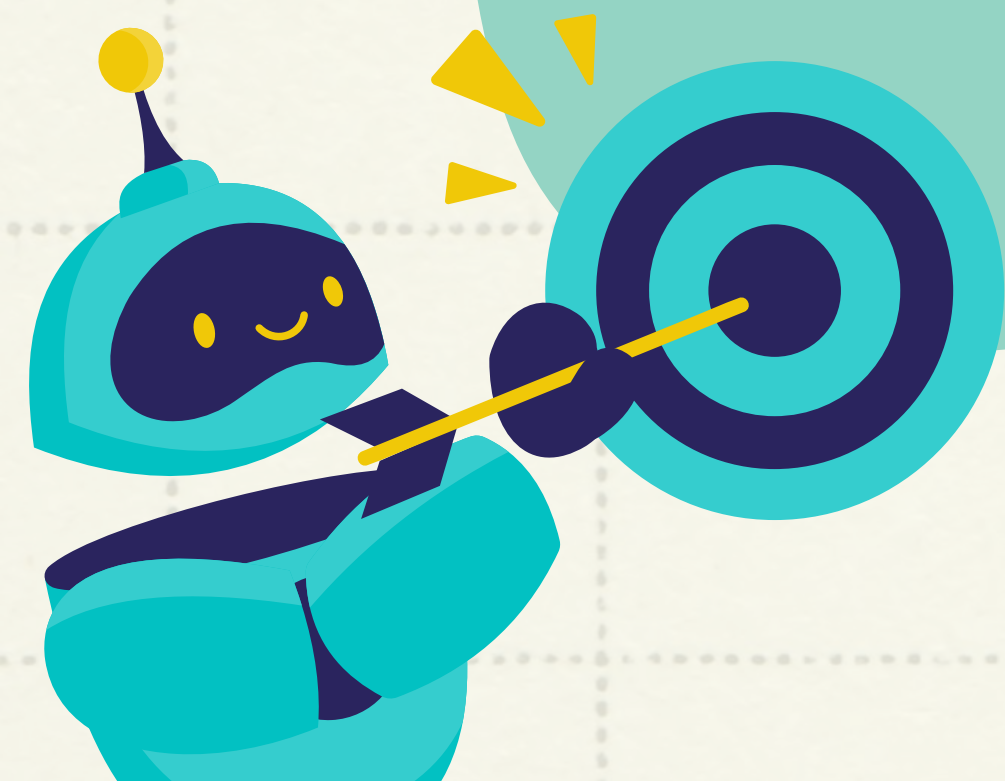
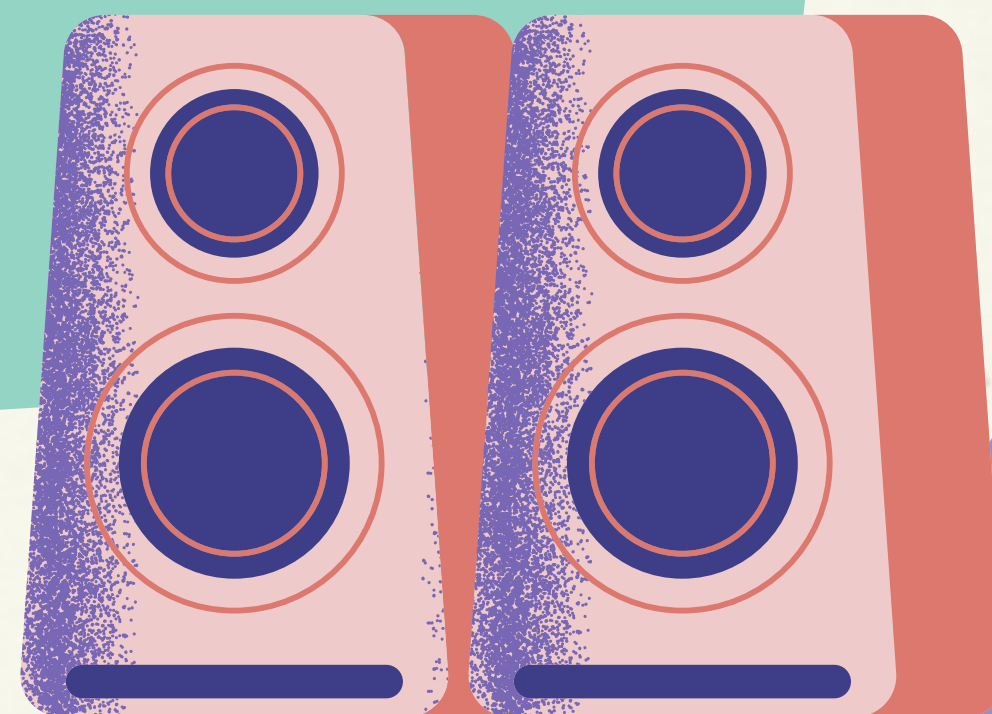


6

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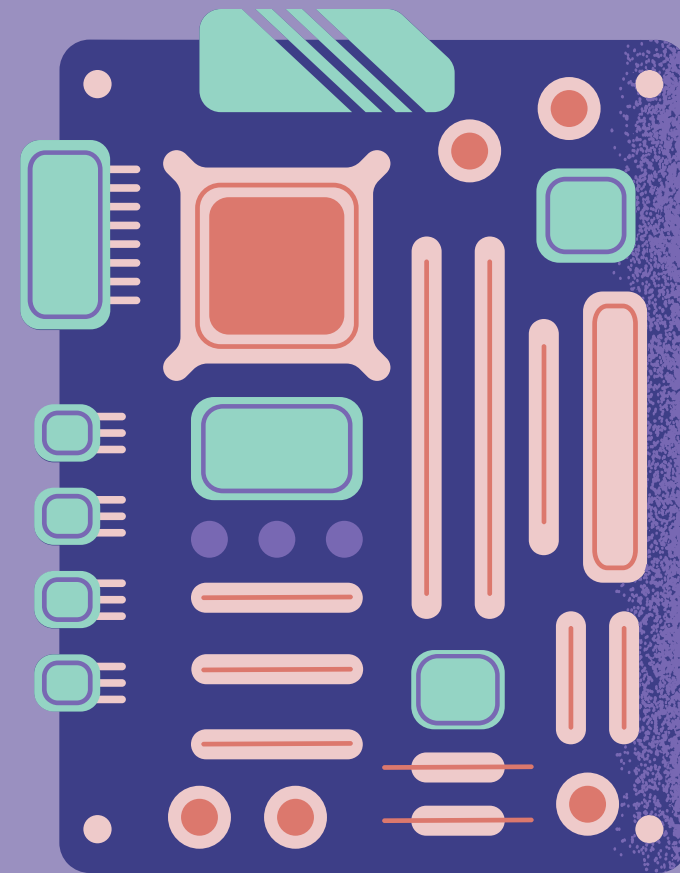
SPEAKERS



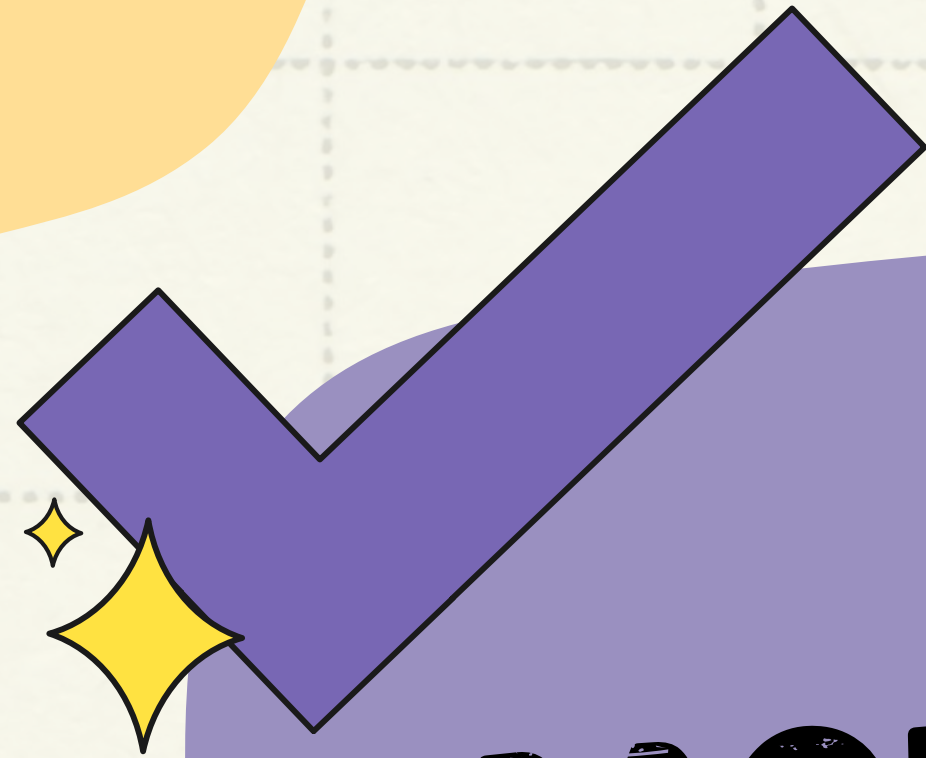
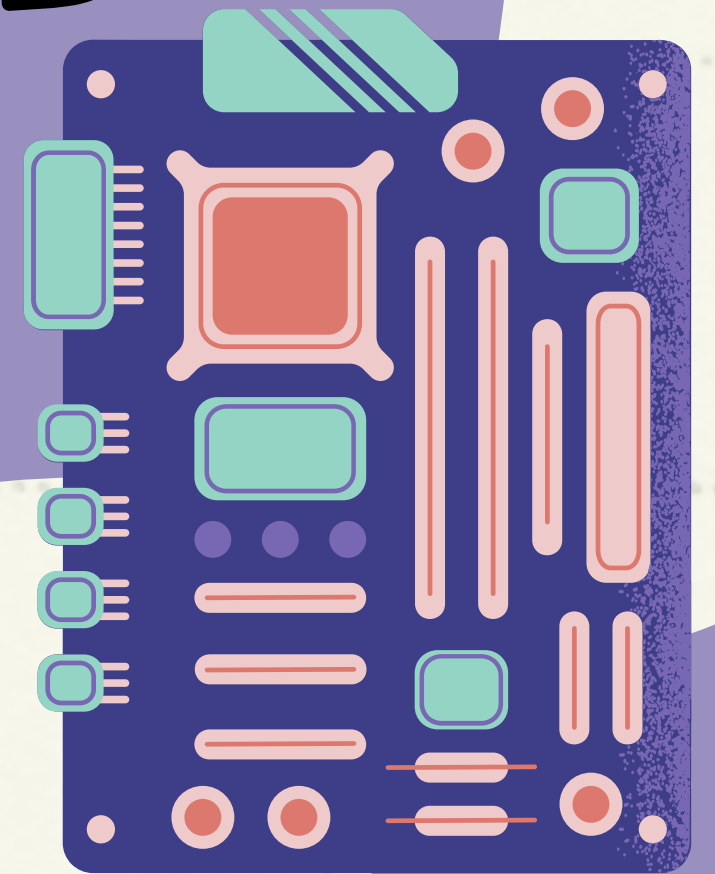
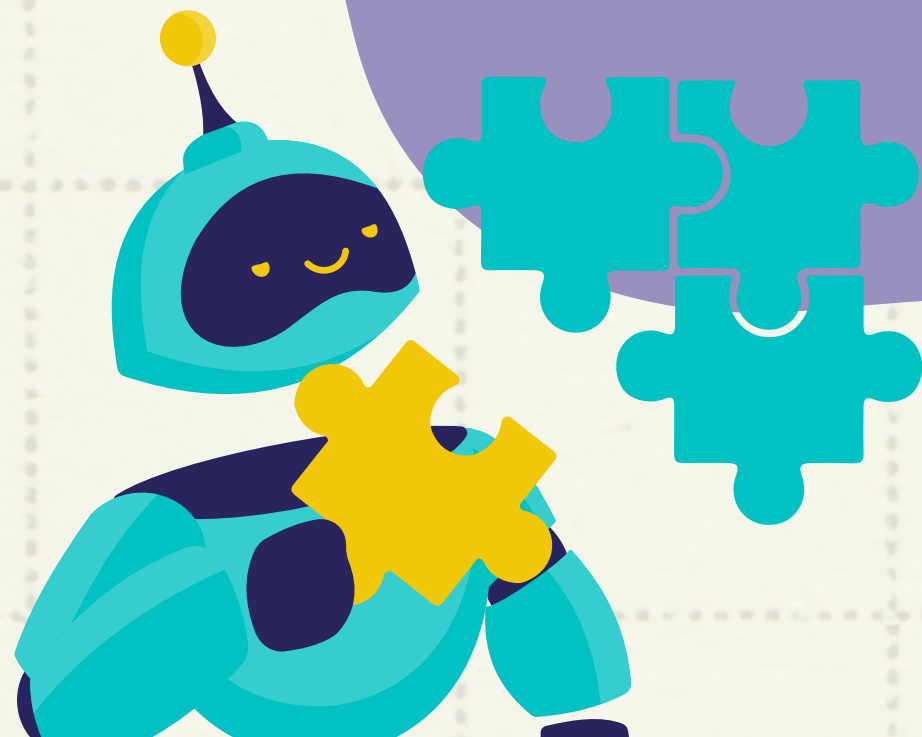


7

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MOTHERBOARD





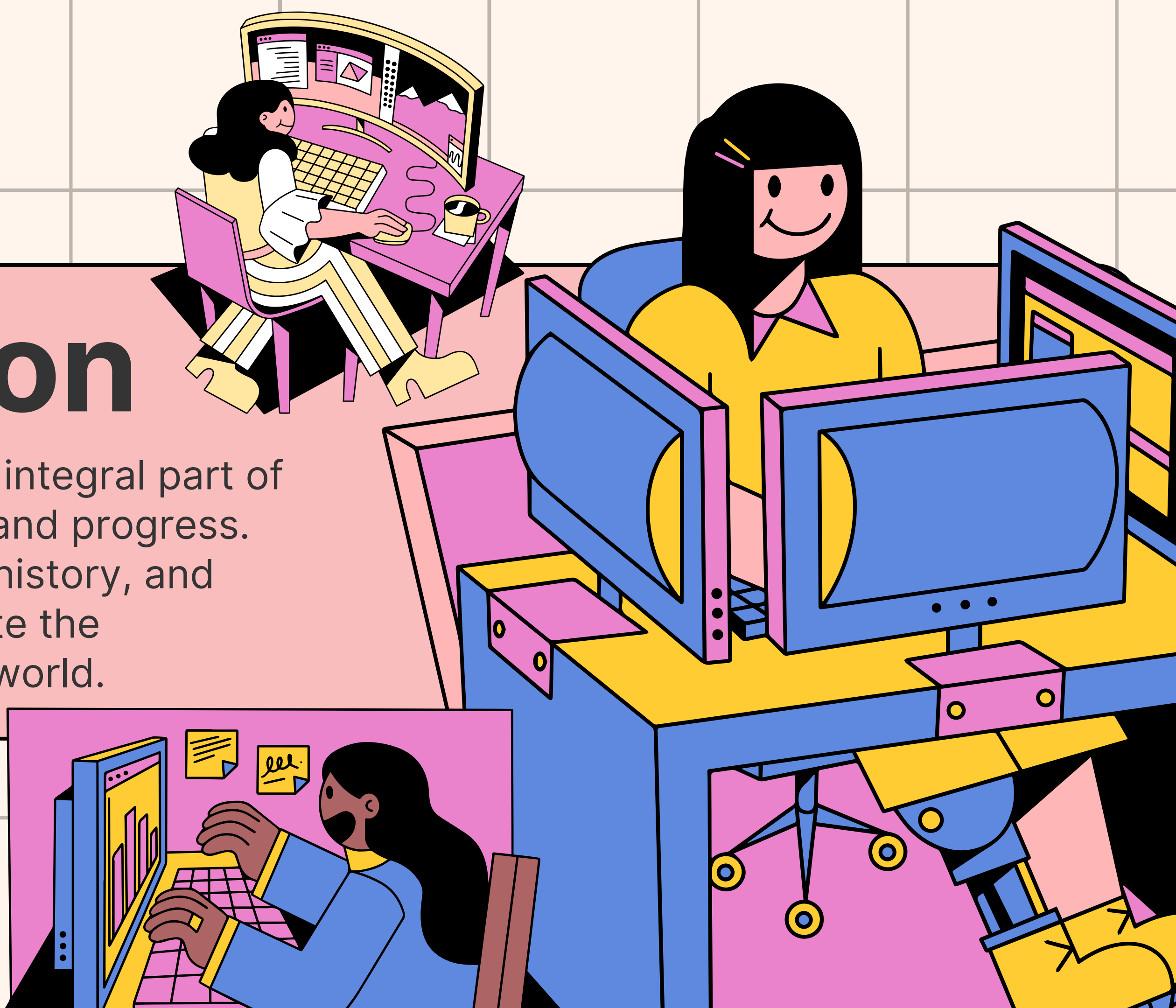
**THANKS FOR
PLAYING!**

How well did you do?



Conclusion

Computers have become an integral part of our lives, driving innovation and progress. Understanding their basics, history, and impact can help us appreciate the technology that shapes our world.



Thank You For Your Attention

