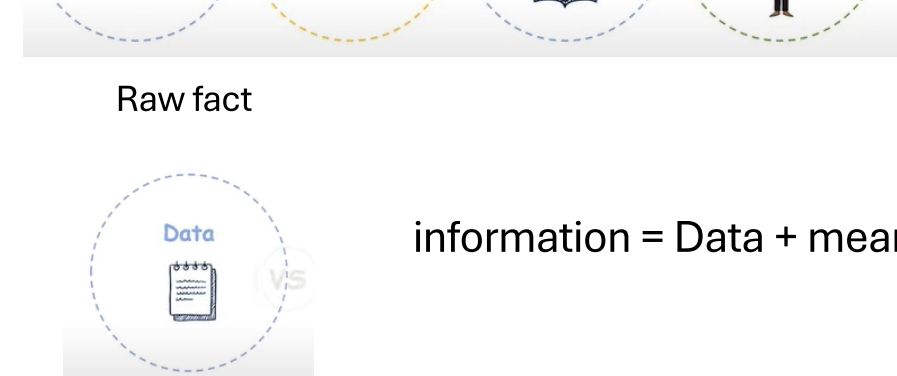
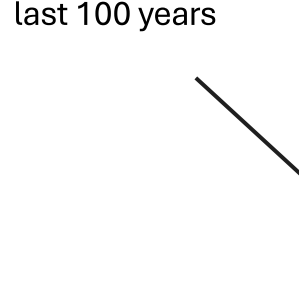


مهارات الحاسب Computer Skills

What is the difference between ?

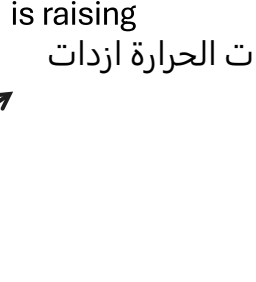


Raw fact

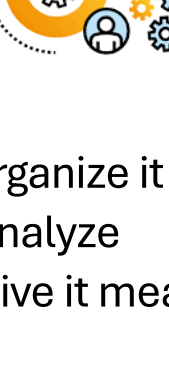


Temperature in the last 100 years

information = Data + meaning



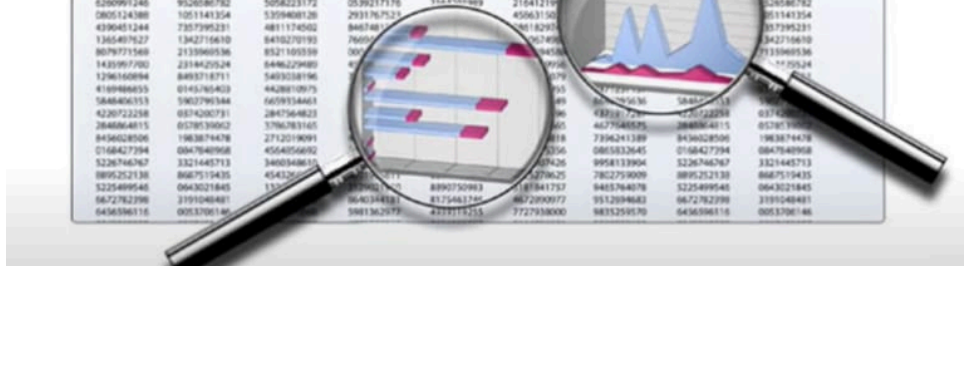
Global temperature is raising
درجات الحرارة آتت



عمليات process

organize it
Analyze
Give it meaning

انظم المعلومات
تحليل البيانات
اعطيها معنى



معلومة مفيدة ، درجات الحرارة تزداد بنسبة 10%
كدة بقت معلومة مفيدة

Data

- Raw Facts
- Unorganizes
- Unanalyzed
- Unprocessed

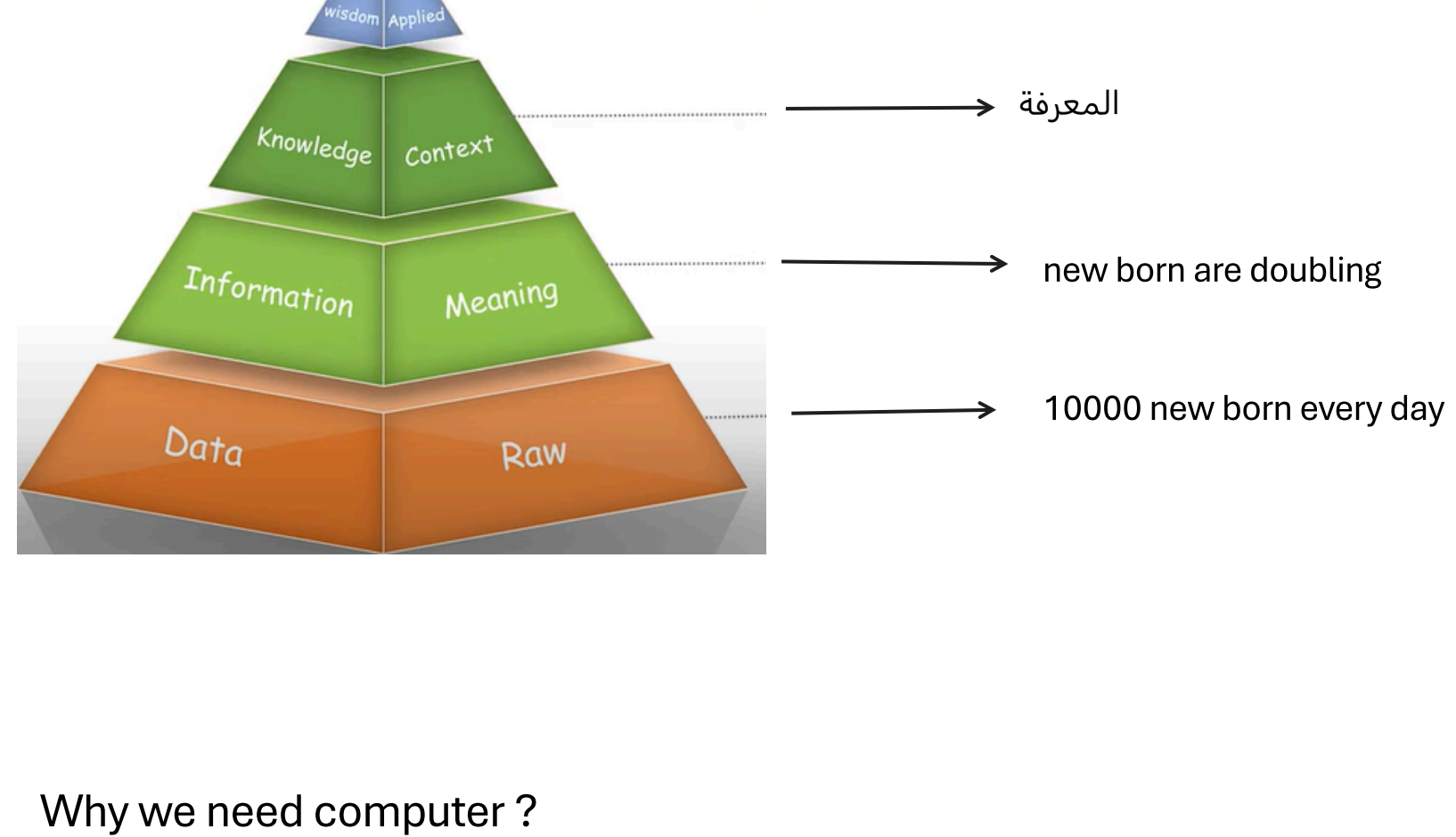
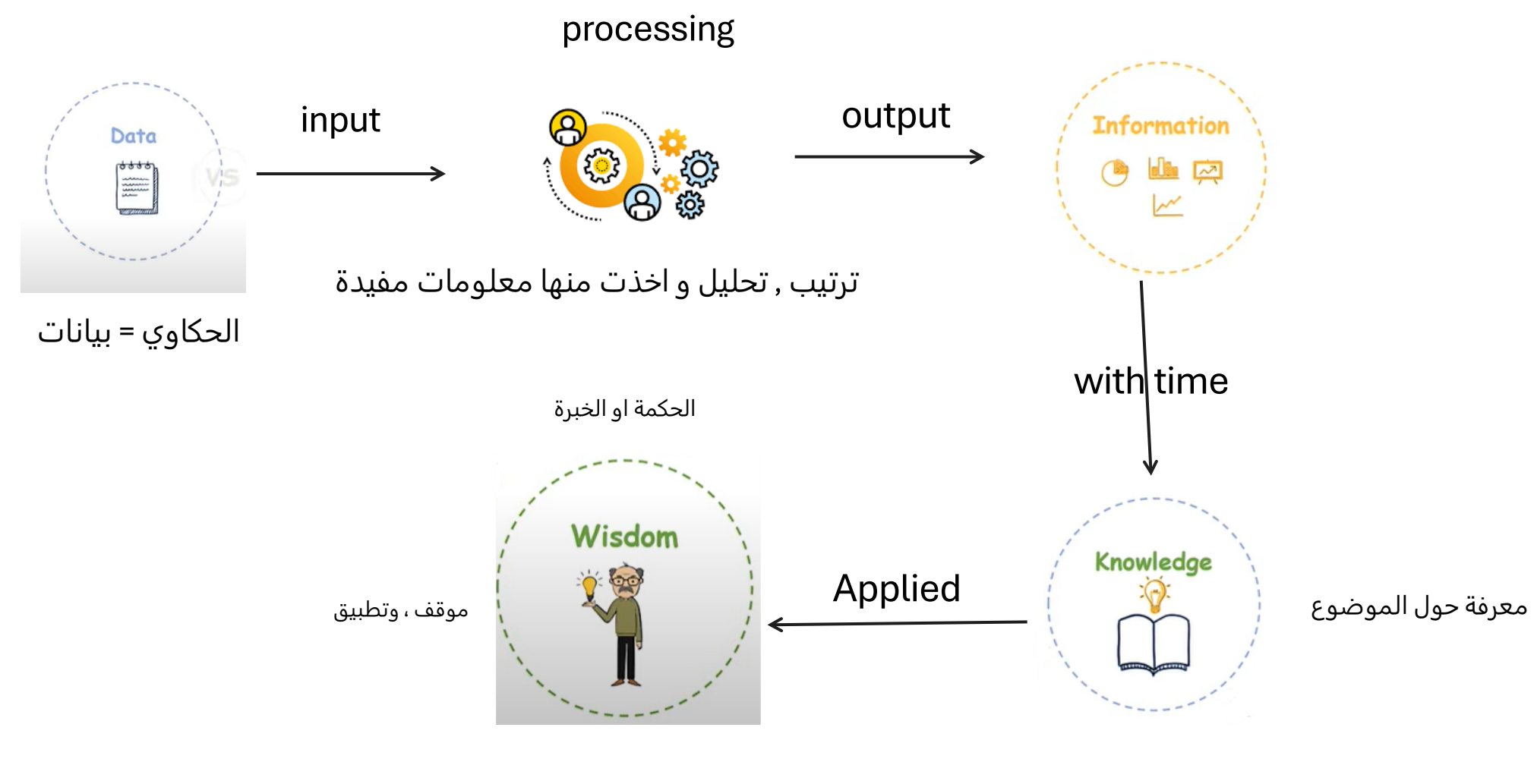
Information

- Driven from data
- Organized
- Analyzed
- Processed

تأتي من البيانات
مرتبة
تحليل
عمليات و تم التغيير

knowledge and wisdom processing

knowledge = information + n* information



Why we need computer ?

Why we Need Computers?

- بطريفة رقمية ، تتخزن
All data are stored digitally.
- يزيد الكفاءة
Help business to increase their efficiency, proactive and save time.
- تتعلم بسرعة أكبر
In school computers help to learn fast, search, and share knowledge.
- تستخدم في جميع المجالات
Used in all sectors such as media, banking, shopping, hospitals, governments and more.
- كل شيء متعلق بحياتنا
Everything related to our life can not be done without computers.

What is a computer ?

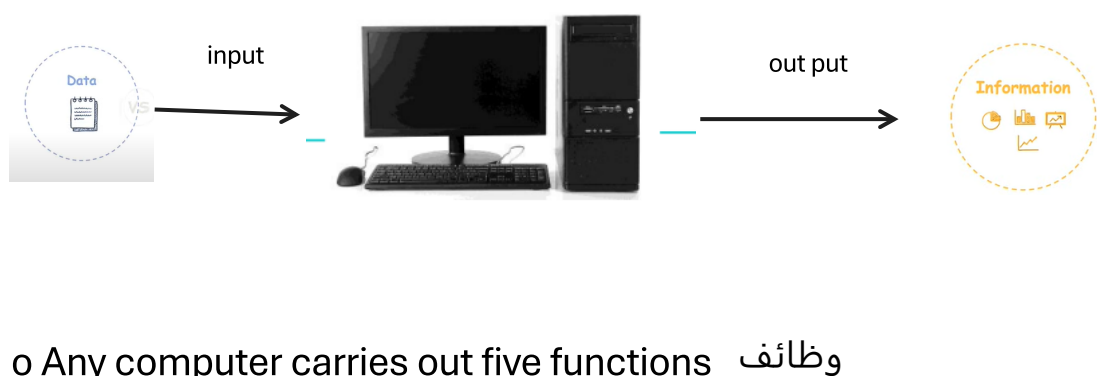
A computer is an electronic device that manipulates information, or data.

It has the ability to store, retrieve, and process data.

إسترجاع تخزين معالجة وصيانة

شحنات كهربائية موصلة :
أسلاك
الشحنات بتدفق من خلال موصلات
فلزية

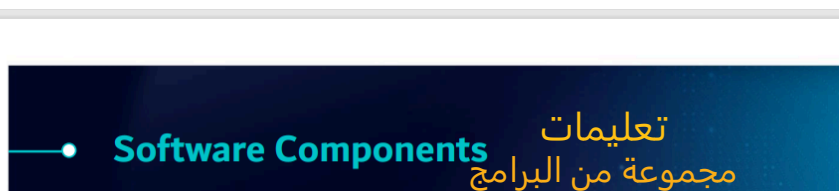
process



o Any computer carries out five functions

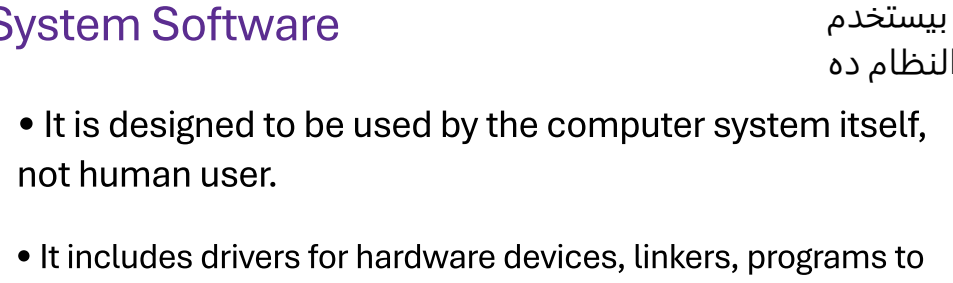
- Takes data as input
- Stores the data/instructions in its memory and use them when required
- Processes the data and converts it into useful information
- Generates the output.
- Controls all the above four steps.

Computer System Components



Software Components

- Software is a collection of programs (instructions) that enable the user to interact with a computer, its hardware, or perform a specific task.
- Software can be purchased at a retail computer store or online and come in a box containing all the disks (floppy diskette, CD, DVD, or Blu-ray), manuals, warranty, and other documentation.
- Software can also be downloaded to a computer over the Internet.



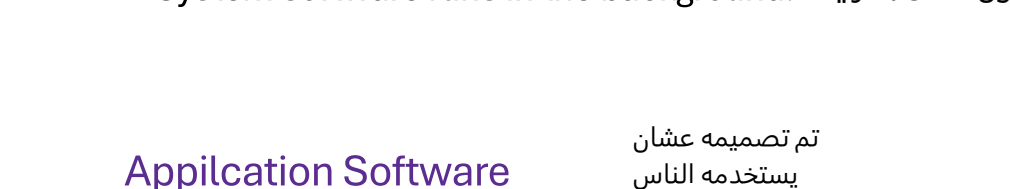
System Software

الكمبيوتر هو الذي يستخدمه النظام ده

- It is designed to be used by the computer system itself, not human user.
- It includes drivers for hardware devices, linkers, programs to manage computer resources.

نظام تشغيل

Operating System :



• It is called "low-level" software. It generates the user interface and allows the operating system to interact with the hardware.

واجهة المستخدم

تفاعل الجزء الصلب

• System software runs in the background.

Application Software

تم تصميمه عشائ يستخدمه الناس

Designed to be used by people for specific tasks such as word processing, accounting, cataloguing, library management, animation and more.

Application software resides above system software

Application software may be grouped along with system software or published alone.

Application software may simply be referred to as an application.

Hardware

معدات ملموسة

Hardware refers to the physical equipment used for the input, processing, output, and storage activities of a computer system. output يخرج لنا

It consists of the following:

- Input devices
- Output devices
- Memories (Storage devices)
- Central Processing Unit (CPU)
- Communication devices

Input Devices

أي جهاز يرسل بيانات و يستطيع تتفاعل من خلال و تتحكم في الكمبيوتر

Output Devices

تستقبل البيانات

