

Class of Computer

It can be classified in many ways, such as by purpose, function, usage, generation of technology

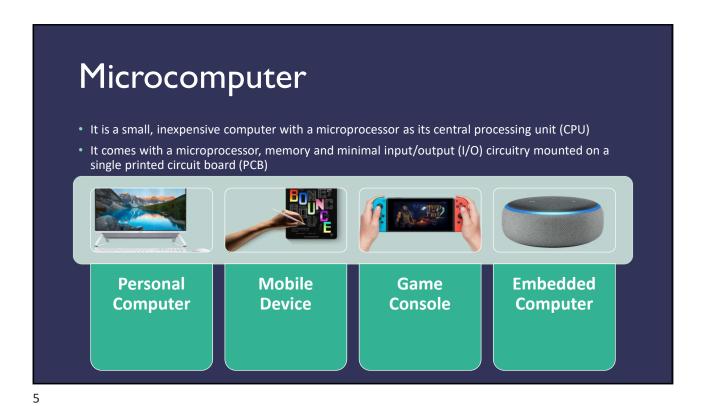
Classified by purpose on the basis of size

Microcomputers
(Personal Computers)

Minicomputers
(Mid-range Computers)

Mainframe Computers

Supercomputers



Microcomputer

It is a small, inexpensive computer with a microprocessor as its central processing unit (CPU).

It comes with a microprocessor, memory and minimal input/output (I/O) circuitry mounted on a single printed circuit board (PCB)

Personal Computer

One popular category of computer

It can be mobile or desktop computers that can perform all of its input, processing units (CPU).

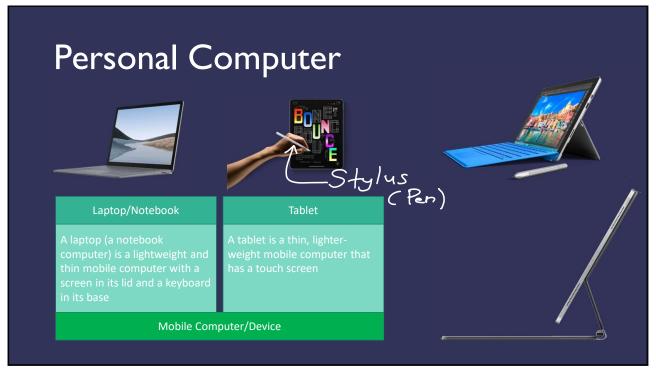
Mobile Device

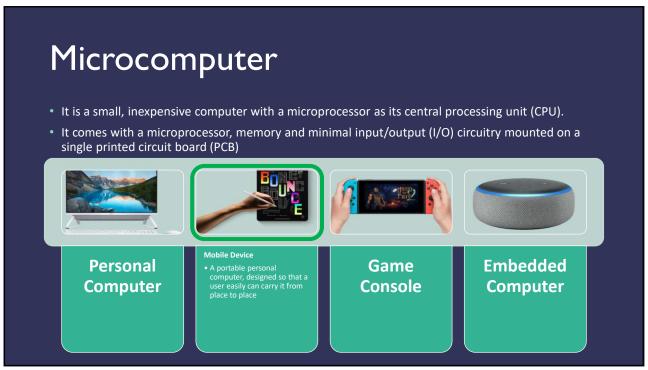
Game Console

Computer

Lit is intended to be used by one person at a time:







Smartphone

is an Internet-capable phone that usually also includes a calendar, an address book, a calculator, a notepad, games, browser, and numerous other apps

Text Message

LOL = Laugh out loud

5555 ⇒ dididid

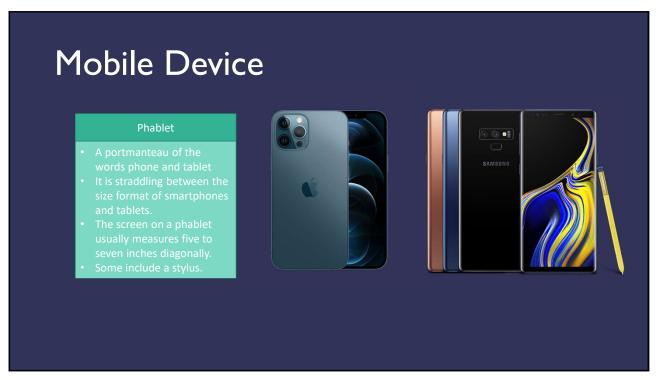
[Foreigner would not understand]

Gr8 ⇒ Great

Wrong: Music play an essential role in child development.

Correct: Music plays an essential role in child development.

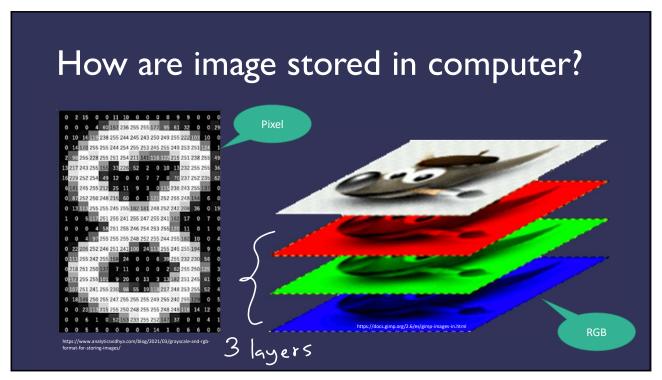
Unity => mixity => mix



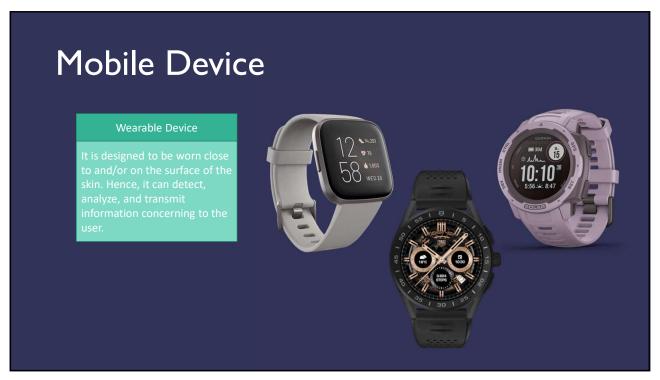










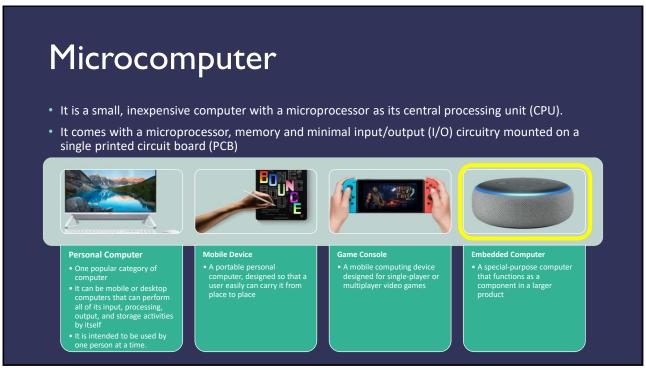


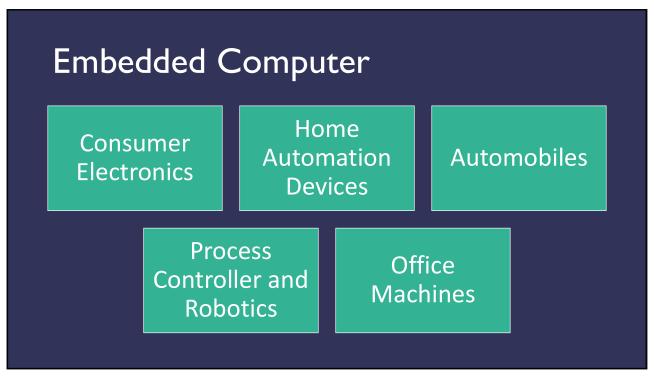
Gordon Moore intel Moore's Law Gordon Moore—the co-founder of Intel—observed that a doubling every year in the number of The number of transistors on a CPU would components per integrated circuit in 1965. double every two years • In 1975, he revised the forecast to "doubling every Moore's Law: The number of transistors on microchips doubles every two years Our World two years". • In 2015, Intel states that the cadence today is closer to 2.5 years than 2. • The improvements in MOSFET devices have slowed since 2010. Service of the servic

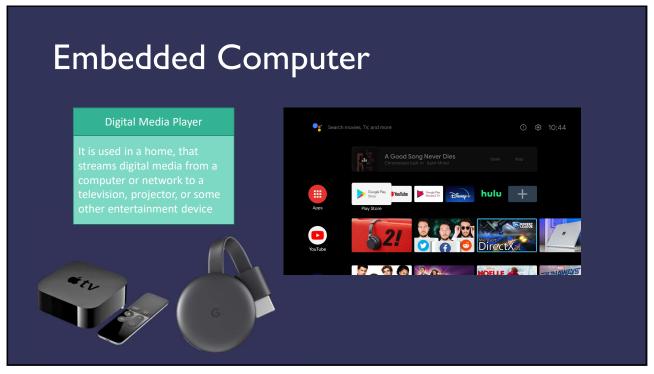


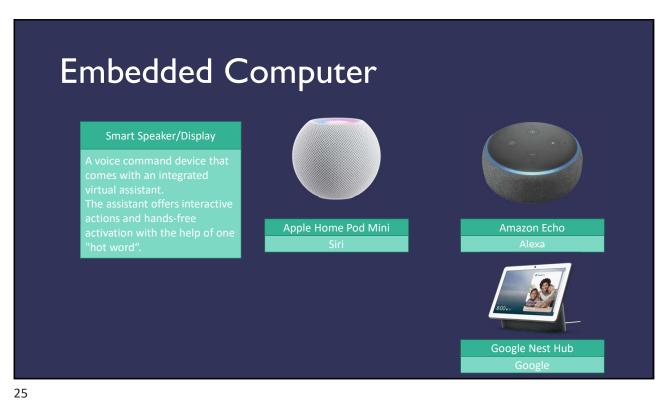


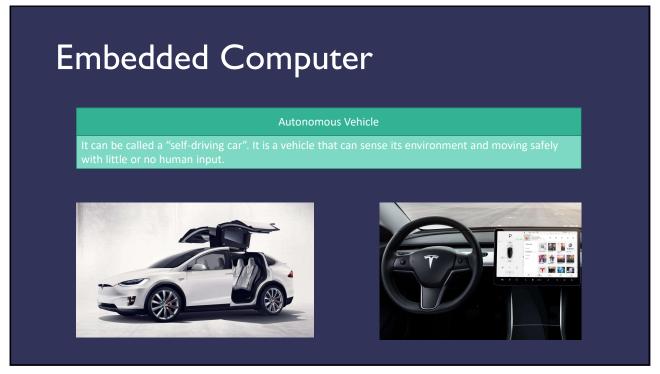


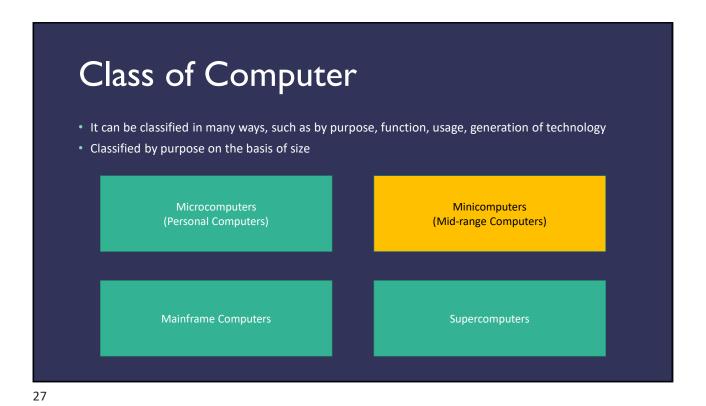












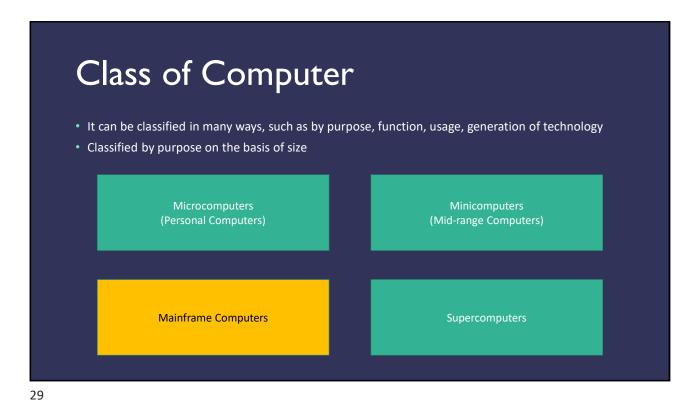
Minicomputers is a midsize computer

It is a multiprocessing system capable of supporting from up to 200 users simultaneously

It is characterized by one or more processors, supported multiprocessing, and multi-tasking and meant to be resilient for high workloads

It provides a centralized storage area for programs, data, and information

Minicomputer System



Mainframe Computer is large, expensive, powerful computer that can handle hundreds or thousands of connected users simultaneously as well as running multiple programs simultaneously. It has high storage capacity. Normally used in banking, telecom sectors, etc., which process a high volume of data/transaction in general. Enable to run smoothly for a long time with a long life. Four-frame IBM Z15



Rack-vs-Blade	
Pros	Cons
Cable Management – Although it requires a lot of cable, but they are easy to organize	Power Usage – Require a cooling system to function
Failure Containment – Identifying, removing, and replacing a malfunctioning rack server is simple	Size – Depending on you need. It can take up all your available space
Cost – It offers a substantial amount of computing power at a relatively low cost	Maintenance – Time consuming for routine maintenance tasks on a rack packed with servers
Blade	Server
Pros	Cons
Size – Fit a significant amount of computing power into a minimal amount of space	Heat – Heat dispensation is a challenge task
Centralized Management – All blades through a single interface	Cost – More expensive than rack servers
Cabling – Less cabling than rack servers	Power Requirement – Power off, all server is off

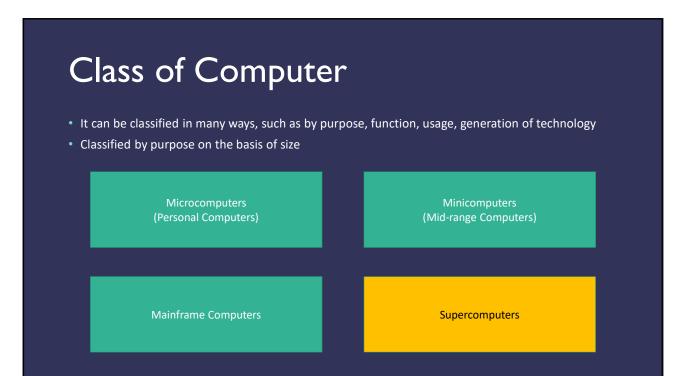


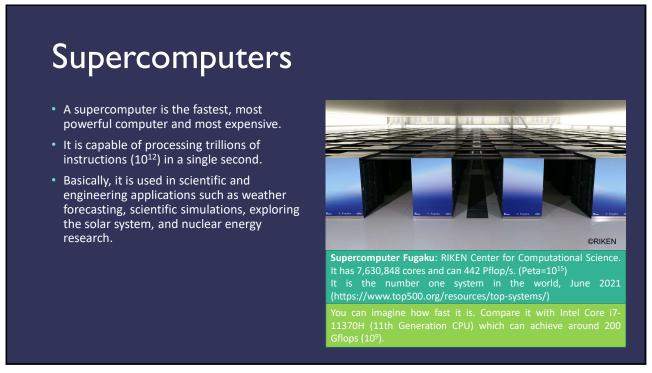
Client - Automated Teller Machine

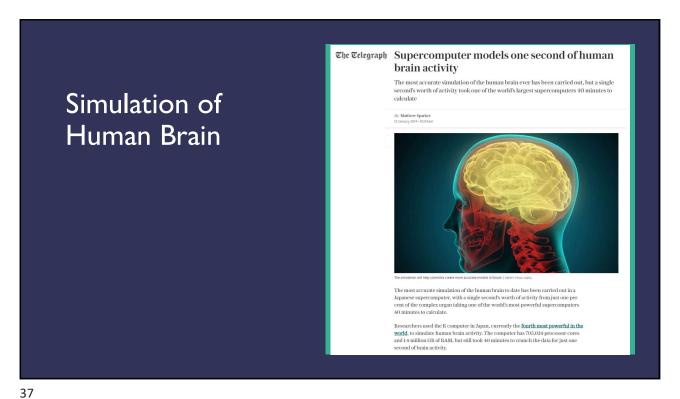
• An ATM is a self-service banking terminal that connects to a host computer through a network

• ATM-install through the connect to a host computer through a network

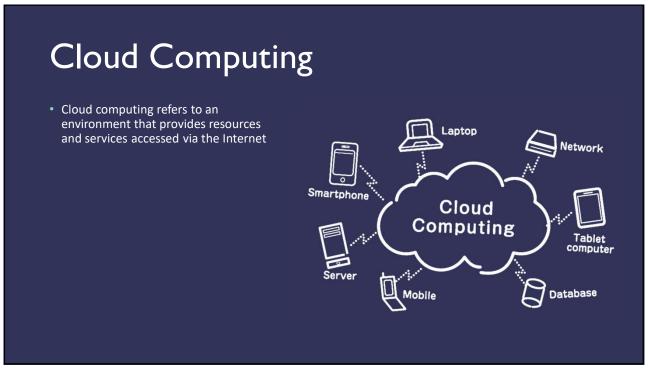
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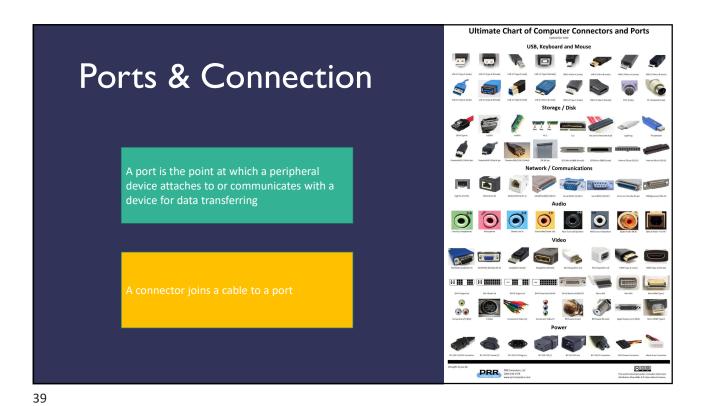




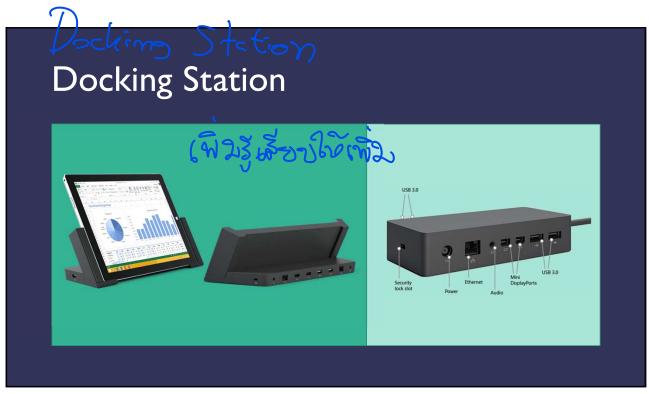


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Universal Serial Bus (USB) Connectors A USB port can connect up to 2001 2011 2014 1.5 Mbit/s 127 different peripheral 1.5 Mbit/s (Low Speed) 12 Mbit/s (Full Speed) 480 Mbit/s devices together with a single 10 Gbit/s 20 Gbit/s connector (Full Speed) (High Speed) Instead of connecting peripheral devices directly to ports on a mobile computer, some mobile users prefer the flexibility of port replicators and docking stations







Protecting Hardware - Theft

Physical access controls

Alarm system

Security or devices

Theft

Physical security devices

Require identification

Find i Physical security devices



